

```

chain nodes :
  10 22 28 30 32 34 35 38 39 40 41 42 43 44 45 46 50
ring nodes :
  1 2 3 4 5 6 13 14 15 16 17 18 19 20 21
ring/chain nodes :
  7
chain bonds :
  2-28 4-50 32-34 32-35 38-39 38-40 38-42 41-42 43-44 43-45 43-46
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-20 19-21 20-21
exact/norm bonds :
  2-28 4-50 32-34 32-35 38-39 38-40 41-42 43-45 43-46
exact bonds :
  19-20 19-21 20-21 38-42 43-44
normalized bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18
isolated ring systems :
  containing 1 : 19 :

```

G1:NO2,[\*1]

G2:[\*2],[\*3],[\*4]

G3:CN,NO2,O,S,N,Cl,Br,F,I

G4:O,S

G5:[\*5],[\*6],[\*7]

```

Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 10:CLASS 11:Atom 13:Atom 14:Atom
  15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:CLASS 28:CLASS 30:CLASS
  31:Atom 32:CLASS 34:CLASS 35:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 42:CLASS
  43:CLASS 44:CLASS 45:CLASS 46:CLASS 50:CLASS
Generic attributes :

```

22:  
Saturation : Saturated  
Number of Carbon Atoms : less than 7

Element Count :  
Node 22: Limited  
C,C2-4

10/581,897

=> ....Testing the current file.... screen

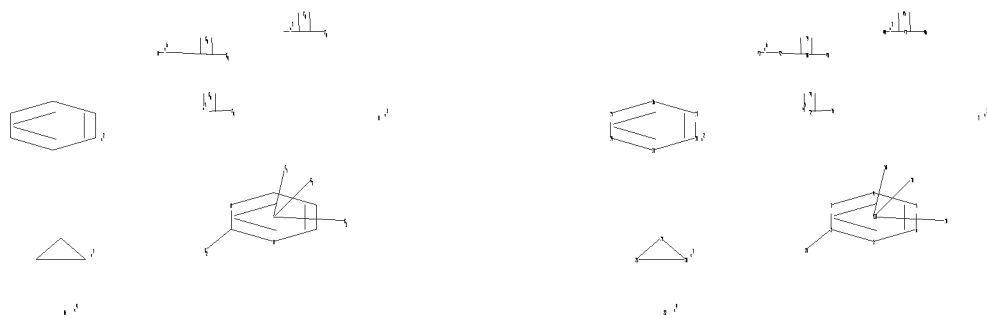
ENTER SCREEN EXPRESSION OR (END):end

=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10581897.str



chain nodes :

10 22 28 30 32 34 35 38 39 40 41 42 43 44 45 46 50

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21

ring/chain nodes :

7

chain bonds :

10/581,897

2-28 32-34 32-35 38-39 38-40 38-42 41-42 43-44 43-45 43-46  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-20  
19-21 20-21  
exact/norm bonds :  
2-28 32-34 32-35 38-39 38-40 41-42 43-45 43-46  
exact bonds :  
19-20 19-21 20-21 38-42 43-44  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18  
isolated ring systems :  
containing 1 : 19 :

G1:NO2, [\*1]

G2:[\*2], [\*3], [\*4]

G3:CN,NO2,O,S,N,Cl,Br,F,I

G4:O,S

G5:[\*5], [\*6], [\*7]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 10:CLASS 11:Atom 13:Atom  
14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:CLASS  
28:CLASS 30:CLASS 31:Atom 32:CLASS 34:CLASS 35:CLASS 38:CLASS 39:CLASS  
40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 50:CLASS  
51:Atom

Generic attributes :

22:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 22: Limited

C,C2-4

L2 STRUCTURE UPLOADED

=> que L2 NOT L1

L3 QUE L2 NOT L1

=> d 13

L3 HAS NO ANSWERS

L1 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L2 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

10/581,897

Structure attributes must be viewed using STN Express query preparation.

```
=> s 13 sss sam
SAMPLE SEARCH INITIATED 18:31:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      73329 TO ITERATE
```

```

2.7% PROCESSED      2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:   1450447 TO 1482713
PROJECTED ANSWERS:      0 TO      0

```

L4                    0 SEA SSS SAM L2 NOT L1

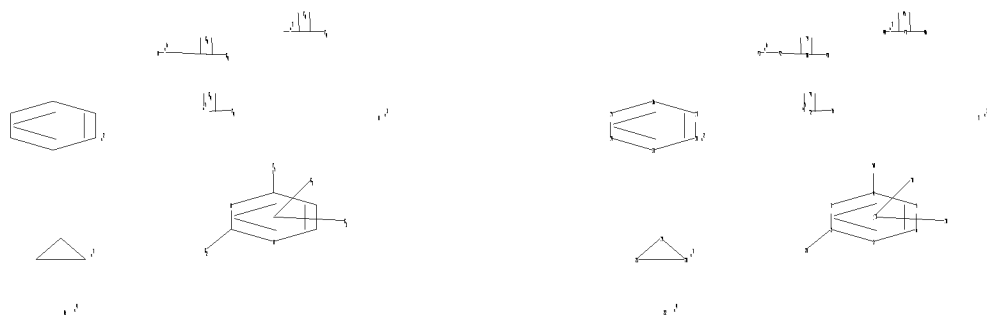
```
=> ....Testing the current file.... screen
```

ENTER SCREEN EXPRESSION OR (END):end

```
=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047
```

L5 SCREEN CREATED

```
=>
Uploading C:\Program Files\Stnexp\Queries\10581897 (a).str
```



chain nodes :

10 22 28 30 32 34 35 38 39 40 41 42 43 44 45 46 50

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21

ring/chain nodes :

7

chain bonds :

2-28 4-50 32-34 32-35 38-39 38-40 38-42 41-42 43-44 43-45 43-46  
 ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18 19-20  
 19-21 20-21  
 exact/norm bonds :  
 2-28 4-50 32-34 32-35 38-39 38-40 41-42 43-45 43-46  
 exact bonds :  
 19-20 19-21 20-21 38-42 43-44  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 17-18  
 isolated ring systems :  
 containing 1 : 19 :

G1:NO2, [\*1]

G2:[\*2], [\*3], [\*4]

G3:CN,NO2,O,S,N,Cl,Br,F,I

G4:O,S

G5:[\*5], [\*6], [\*7]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 10:CLASS 11:Atom 13:Atom  
 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:CLASS  
 28:CLASS 30:CLASS 31:Atom 32:CLASS 34:CLASS 35:CLASS 38:CLASS 39:CLASS  
 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS 50:CLASS

Generic attributes :

22:

Saturation : Saturated

Number of Carbon Atoms : less than 7

Element Count :

Node 22: Limited

C,C2-4

L6 STRUCTURE UPLOADED

=> que L6 NOT L5

L7 QUE L6 NOT L5

=> d 17

L7 HAS NO ANSWERS

L5 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L6 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

10/581,897

L7                    QUE   L6 NOT L5

=> s 17 sss sam  
SAMPLE SEARCH INITIATED 18:33:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -     23429 TO ITERATE

8.5% PROCESSED         2000 ITERATIONS                    2 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                             BATCH   \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:         459417 TO     477743  
PROJECTED ANSWERS:             178 TO         758

L8                    2 SEA SSS SAM L6 NOT L5

=> => s 17 sss ful  
FULL SEARCH INITIATED 18:34:11 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -     472135 TO ITERATE

100.0% PROCESSED     472135 ITERATIONS                    654 ANSWERS  
SEARCH TIME: 00.00.08

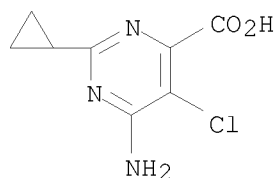
L9                    654 SEA SSS FUL L6 NOT L5

=> => s 19  
L10                   14 L9

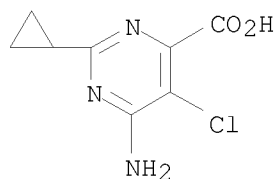
=> d 110 1-14 bib,ab,hitstr

L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2008:1480203 CAPLUS  
 DN 150:49537  
 TI Plant genes for cytochromes P 450 conferring resistance to hydroxyphenyl  
 pyruvate dioxygenase-inhibiting herbicides  
 IN Hawkes, Timothy Robert; Vernooij, Bernardus Theodorus Maria  
 PA Syngenta Participations AG, Switz.  
 SO PCT Int. Appl., 79pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008150473	A2	20081211	WO 2008-US6891	20080530
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20090011936	A1	20090108	US 2008-156247	20080530
PRAI US 2007-932560P	P	20070530		
OS MARPAT 150:49537				
AB Plant genes for cytochromes P 450 that are capable of using p-hydroxyphenyl pyruvate dioxygenase (HPPD)-inhibiting herbicides as substrates are described for use in improving crop plant resistance to these herbicides. HPPD inhibitors including, benzothiadiazinones, sulfonylureas, and other classes of herbicides may be metabolized by these enzymes. Maize genes conferring cross-resistance to mesotrione and nicosulfuron were mapped and cloned and shown to encoded by the nsf1 gene.				
IT 858956-08-8				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (plant resistance to; plant genes for cytochromes P 450 conferring resistance to HPPD-inhibiting herbicides)				
RN 858956-08-8 CAPLUS				
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)				



L10 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2008:1474221 CAPLUS  
 DN 150:49397  
 TI Mass spectrometric assessment and analytical methods for quantitation of the new herbicide aminocyclopyrachlor and its methyl analogue in soil and water  
 AU Nanita, Sergio C.; Pentz, Anne M.; Grant, Joann; Vogl, Emily; Devine, Timothy J.; Henze, Robert M.  
 CS Stine-Haskell Research Center, DuPont Crop Protection, Newark, DE, 19714, USA  
 SO Analytical Chemistry (Washington, DC, United States) (2009), 81(2), 797-808  
 CODEN: ANCHAM; ISSN: 0003-2700  
 PB American Chemical Society  
 DT Journal  
 LA English  
 AB Anal. methods have been developed for the detection and quantitation of aminocyclopyrachlor and its analog aminocyclopyrachlor Me in environmental samples. The analytes were purified from soil exts. and water samples using solid phase extraction based on mixed-mode cation exchange/reverse phase retention. Analyte identification and quant. analyses were performed by HPLC coupled to tandem mass spectrometry by an electrospray ionization source. External stds. prepared in neat solvents were used for quantitation, providing acceptable accuracy, with no matrix effects observed during method validation. The method limits of quantitation (LOQ) were 0.10 ng/mL (ppb) in water and 1.0 ng/g in soil for both compds. The limit of detection (LOD) in water was 20 ng/L (ppt) for aminocyclopyrachlor and 1 ng/L for aminocyclopyrachlor Me, while LODs in soil were 100 ng/kg and 10 ng/kg for aminocyclopyrachlor and aminocyclopyrachlor Me, resp. The stability of both compds. in various solvents was evaluated as part of method development. Tandem mass spectrometry expts. were also conducted to investigate the gas-phase fragmentation of aminocyclopyrachlor and its Me analog, and the results are reported. A statistical anal. of method validation data generated at two labs. by multiple chemists authenticates the ruggedness and good reproducibility of the anal. procedures tested.  
 IT 858956-08-8, Aminocyclopyrachlor  
 RL: ANT (Analyte); ANST (Analytical study)  
 (mass spectrometric assessment and anal. methods for quantitation of new herbicide aminocyclopyrachlor and its Me analog in soil and water)  
 RN 858956-08-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)

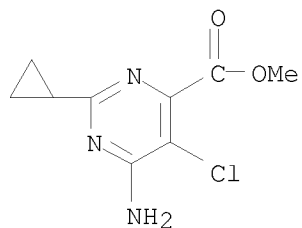


IT 858954-83-3, Aminocyclopyrachlor methyl  
 RL: ANT (Analyte); ANST (Analytical study)  
 (mass spectrometric determination of aminocyclopyrachlor and its Me analog in soil and water)

10/581,897

RN 858954-83-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester  
(CA INDEX NAME)



RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2008:734540 CAPLUS  
 DN 149:47019  
 TI Herbicidal mixtures comprising pyrimidinecarboxylates and  
 dihydroisoxazoles  
 IN Armel, Gregory R. Hong, Wonpyo  
 PA E. I. Du Pont De Nemours and Company, USA  
 SO PCT Int. Appl., 36pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

common inventor

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008073369	A1	20080619	WO 2007-US25224	20071210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, <u>CE, DE, DK</u> , DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRAI US 2006-874359P P 20061212

no pending US Application

OS MARPAT 149:47019

AB A herbicidal mixture comprises (a)  $\geq 1$  herbicidal pyrimidine I (R1 = cyclopropyl, 4-bromophenyl, 4-chlorophenyl; X = Cl, Br; R2 = H, C1-14 alkyl, C2-14 alkoxyalkyl, C3-14 alkoxyalkoxyalkyl, C2-14 hydroxyalkyl, benzyl) or N-oxide or salt thereof and (b)  $\geq 1$  herbicidal compound the formula II (R3 = H, halo, C1-6 alkyl, C2-6 alkoxyalkyl, etc.; R4 = H, halo, C1-6 alkyl, haloalkyl, etc.; W = O, NR5; R5 = H, halo, CN, etc.; G = Ph or heteroaryl, optionally substituted) or N-oxide or salt thereof. The growth of undesired vegetation is controlled by contacting the vegetation or its environment with a herbicidally effective amount of a composition comprising a mixture of the invention and optionally further comprising  $\geq 1$  other herbicide. Thus, I (R1 = cyclopropyl, R2 = Me, X = Cl) + pyroxasulfone at 50 + 12.5 g/ha completely controlled velvetleaf (*Abutilon theophrasti*) and redroot pigweed (*Amaranthus retroflexus*), with no effect on corn in a greenhouse trial. The observed effect for both weeds was greater than the expected effect.

IT 858954-76-4D, mixts. containing 858954-77-5D, mixts. containing 858954-79-7D, Ethyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate, mixts. containing 858954-82-2D, mixts. containing 858954-83-3D, Methyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate, mixts. containing 858954-96-8D, mixts. containing 858955-31-4D, mixts. containing 858955-37-0D, mixts. containing 858955-38-1D, mixts. containing 858955-48-3D, mixts. containing 858955-49-4D, mixts. containing 858955-50-7D, mixts. containing 858955-51-8D, mixts. containing 858955-67-6D, mixts. containing 858955-68-7D, mixts. containing 858955-69-8D, mixts. containing 858955-86-9D, mixts. containing 858956-08-8D, 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid, mixts. containing 858956-12-4D, mixts. containing 858956-14-6D, mixts. containing

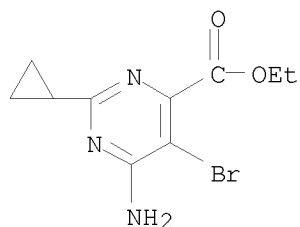
858956-15-7D, mixts. containing 858956-43-1D, mixts. containing  
 858956-44-2D, mixts. containing 858956-45-3D, mixts. containing  
 858956-46-4D, mixts. containing 945623-25-6D, mixts. containing  
 1032351-24-8 1032351-26-0 1032351-28-2  
 1032351-30-6

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)

(herbicidal mixts. comprising pyrimidinecarboxylates and  
 dihydroisoxazoles and optionally further herbicide)

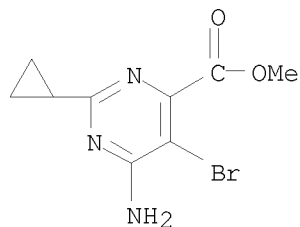
RN 858954-76-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



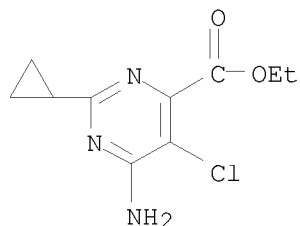
RN 858954-77-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, methyl ester  
 (CA INDEX NAME)



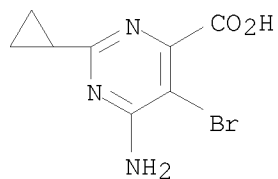
RN 858954-79-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



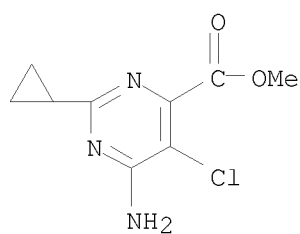
RN 858954-82-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX  
 NAME)



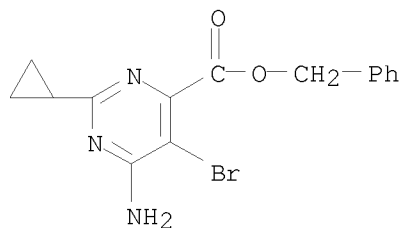
RN 858954-83-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester  
(CA INDEX NAME)



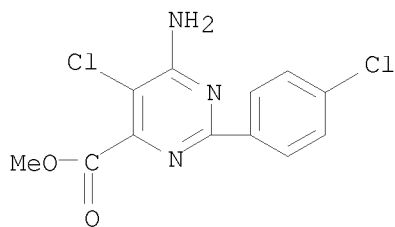
RN 858954-96-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, phenylmethyl  
ester (CA INDEX NAME)



RN 858955-31-4 CAPLUS

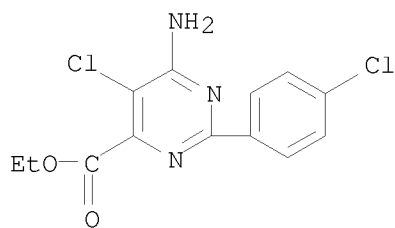
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl  
ester (CA INDEX NAME)



RN 858955-37-0 CAPLUS

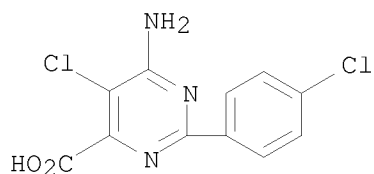
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, ethyl

ester (CA INDEX NAME)



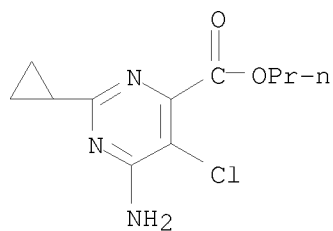
RN 858955-38-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



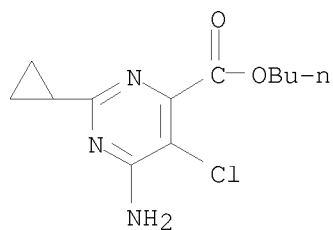
RN 858955-48-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, propyl ester (CA INDEX NAME)



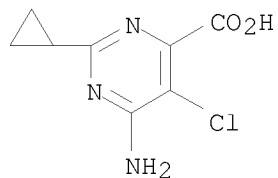
RN 858955-49-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, butyl ester (CA INDEX NAME)



RN 858955-50-7 CAPLUS

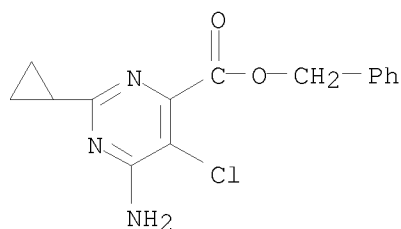
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, sodium salt  
(1:1) (CA INDEX NAME)



● Na

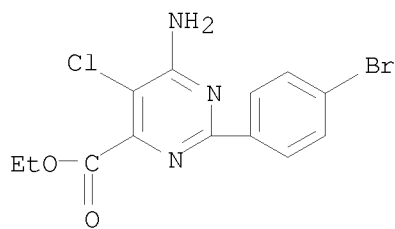
RN 858955-51-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, phenylmethyl ester (CA INDEX NAME)



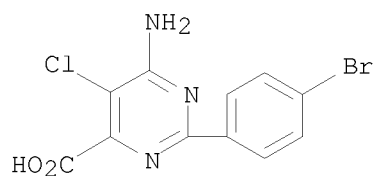
RN 858955-67-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, ethyl ester (CA INDEX NAME)

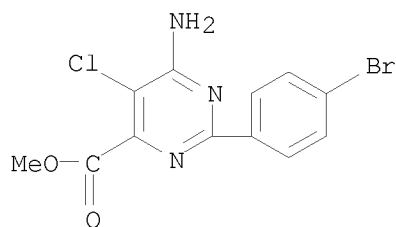


RN 858955-68-7 CAPLUS

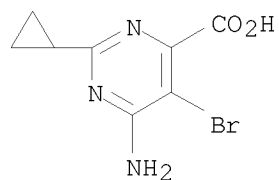
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro- (CA INDEX NAME)



RN 858955-69-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, methyl ester (CA INDEX NAME)

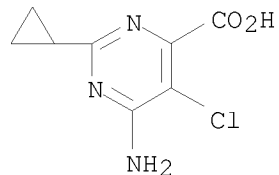


RN 858955-86-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, sodium salt (1:1) (CA INDEX NAME)



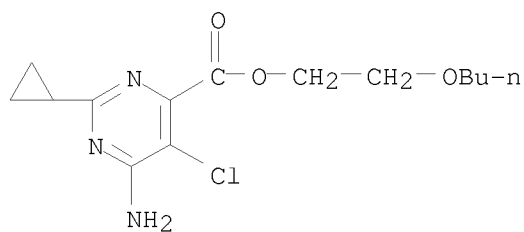
● Na

RN 858956-08-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)



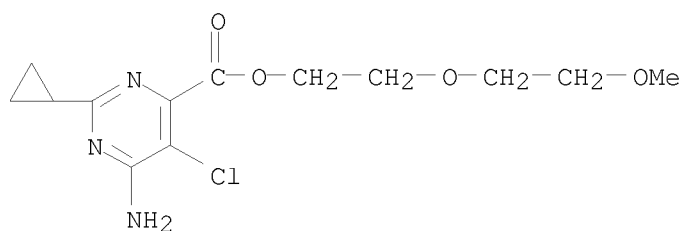
RN 858956-12-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,

2-butoxyethyl ester (CA INDEX NAME)



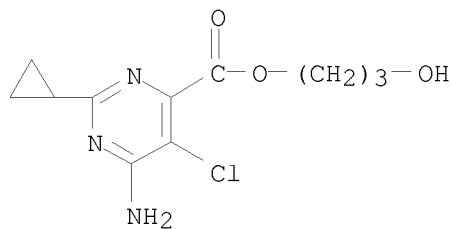
RN 858956-14-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
2-(2-methoxyethoxy)ethyl ester (CA INDEX NAME)



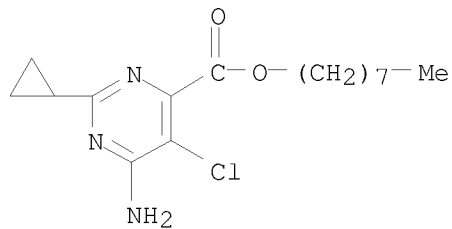
RN 858956-15-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
3-hydroxypropyl ester (CA INDEX NAME)

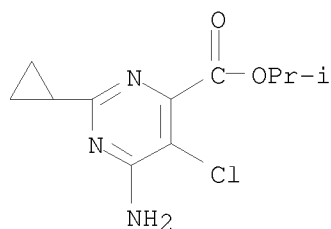


RN 858956-43-1 CAPLUS

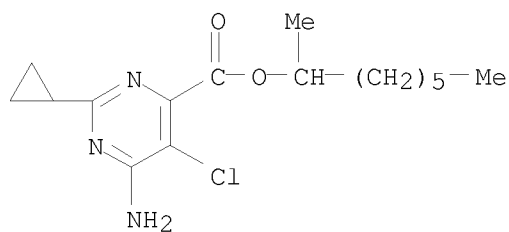
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, octyl ester  
(CA INDEX NAME)



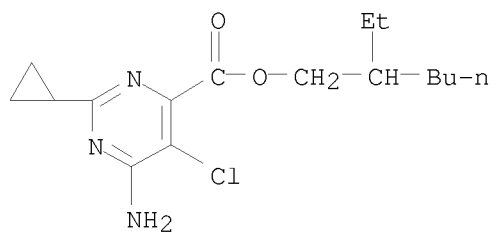
RN 858956-44-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 1-methylethyl ester (CA INDEX NAME)



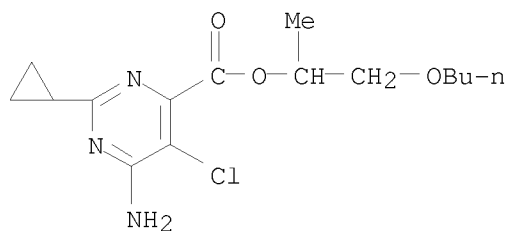
RN 858956-45-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 1-methylheptyl ester (CA INDEX NAME)



RN 858956-46-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-ethylhexyl  
 ester (CA INDEX NAME)



RN 945623-25-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 2-butoxy-1-methylethyl ester (CA INDEX NAME)



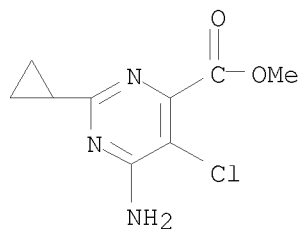
RN 1032351-24-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

CM 1

CRN 858954-83-3

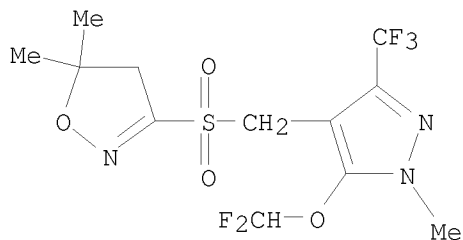
CMF C9 H10 Cl N3 O2



CM 2

CRN 447399-55-5

CMF C12 H14 F5 N3 O4 S



RN 1032351-26-0 CAPLUS

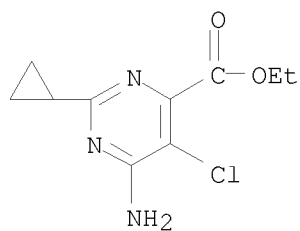
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester, mixt. with 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

10/581,897

CM 1

CRN 858954-79-7

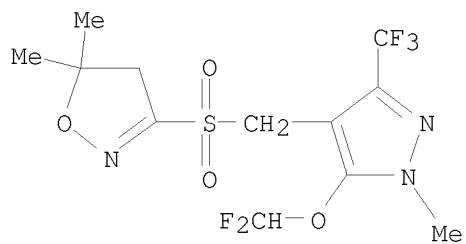
CMF C10 H12 Cl N3 O2



CM 2

CRN 447399-55-5

CMF C12 H14 F5 N3 O4 S



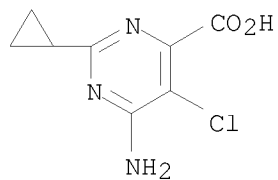
RN 1032351-28-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2

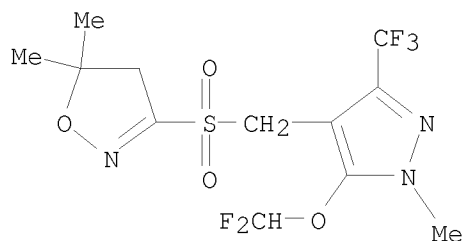


CM 2

CRN 447399-55-5

10/581,897

CMF C12 H14 F5 N3 O4 S



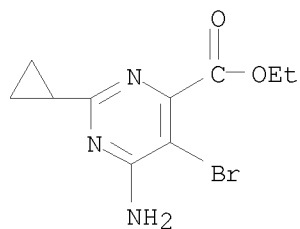
RN 1032351-30-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester, mixt. with 3-[[[5-(difluoromethoxy)-1-methyl-3-(trifluoromethyl)-1H-pyrazol-4-yl]methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole (CA INDEX NAME)

CM 1

CRN 858954-76-4

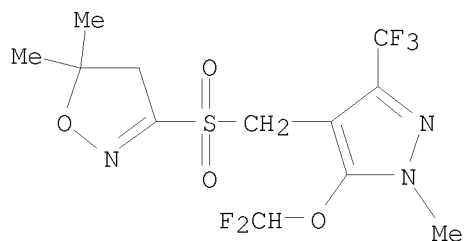
CMF C10 H12 Br N3 O2



CM 2

CRN 447399-55-5

CMF C12 H14 F5 N3 O4 S



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/581,897

L10 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2008:530173 CAPLUS

DN 148:517742

TI Heteroaryl compounds, compositions thereof, preparation and use thereof as protein kinase inhibitors

IN Mortensen, Deborah Sue; Mederos, Maria Mercedes Delgado; Sapienza, John Joseph; Albers, Ronald J.; Lee, Branden G.; Huang, Dehua; Schwarz, Kimberly Lyn; Parnes, Jason Simon; Riggs, Jennifer R.; Papa, Patrick William

PA Signal Pharmaceuticals, LLC, USA

SO PCT Int. Appl., 244pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008051494	A1	20080502	WO 2007-US22375	20071018
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20090042890	A1	20090212	US 2007-975657	20071018
PRAI US 2006-853135P	P	20061019		

OS MARPAT 148:517742

AB Provided herein are heteroaryl compds. having the following structure I, comprising an effective amount of a heteroaryl compound and methods for treating or preventing cancer, inflammatory conditions, immunol. conditions, metabolic conditions and conditions treatable or preventable by inhibition of a kinase pathway comprising administering an effective amount of a heteroaryl compound to a patient in need thereof. Compds. of formula I wherein X-A-B-Y taken together to form NR<sub>2</sub>CH<sub>2</sub>CONH, NR<sub>2</sub>COCH<sub>2</sub>NH, CR<sub>2</sub>CONH, NR<sub>2</sub>C=N, and CR<sub>2</sub>=CHNH; L is a bond, NH and O; R<sub>1</sub> and R<sub>2</sub> are independently (un)substituted C<sub>1</sub>-8 alkyl, (un)substituted (hetero)aryl and (un)substituted (hetero)cycloalkyl; R<sub>3</sub> and R<sub>4</sub> are independently H, C<sub>1</sub>-8 alkyl; and their pharmaceutically acceptable salts thereof, are claimed. Example compound II was prepared by cyclization of (Z)-1-(2-amino-1,2-dicyanovinyl)-3-(2-methoxyphenyl)urea with quinoline-5-carboxaldehyde. All the invention compds. were evaluated for their protein kinase inhibitory activity. From the assay, it was determined that compound II exhibited IC<sub>50</sub> values of 0.1-5  $\mu$ M against mTOR and 20.1-30  $\mu$ M against IKK-2.

IT 1022157-43-2P 1022157-47-6P 1022157-51-2P

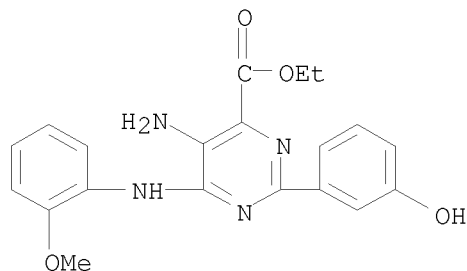
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1022158-72-0P 1022158-89-9P 1022158-98-0P

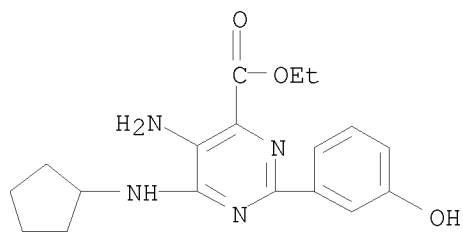
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of heteroaryl compds. useful in treatment and prevention of diseases)

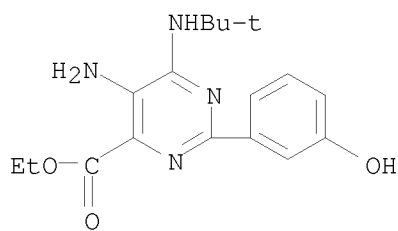
RN 1022157-43-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(3-hydroxyphenyl)-6-[(2-methoxyphenyl)amino]-, ethyl ester (CA INDEX NAME)



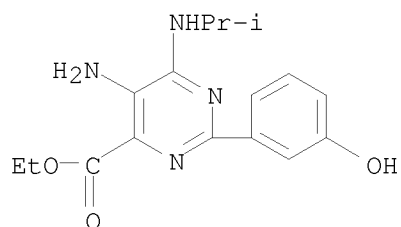
RN 1022157-47-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-amino-6-(cyclopentylamino)-2-(3-hydroxyphenyl)-, ethyl ester (CA INDEX NAME)



RN 1022157-51-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-amino-6-[(1,1-dimethylethyl)amino]-2-(3-hydroxyphenyl)-, ethyl ester (CA INDEX NAME)

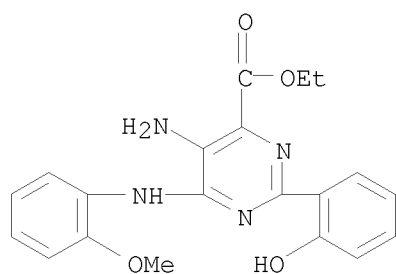


RN 1022157-66-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(3-hydroxyphenyl)-6-[(1-methylethyl)amino]-, ethyl ester (CA INDEX NAME)



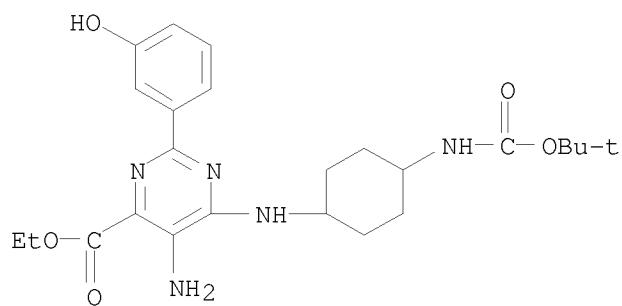
RN 1022157-78-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(2-hydroxyphenyl)-6-[(2-methoxyphenyl)amino]-, ethyl ester (CA INDEX NAME)



RN 1022157-87-4 CAPLUS

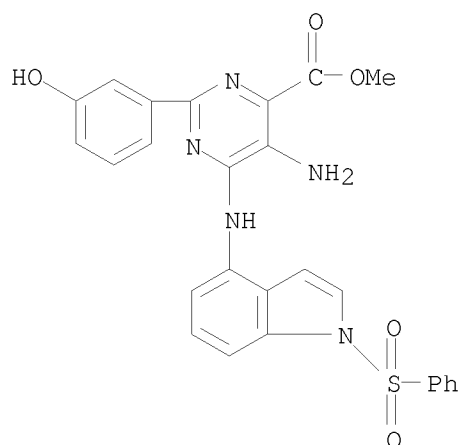
CN 4-Pyrimidinecarboxylic acid, 5-amino-6-[[4-[[[(1,1-dimethylethoxy)carbonyl]amino]cyclohexyl]amino]-2-(3-hydroxyphenyl)]-, ethyl ester (CA INDEX NAME)



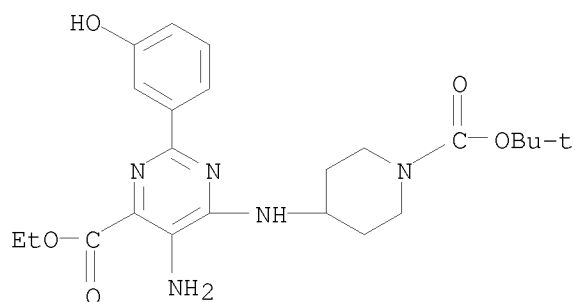
RN 1022158-72-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(3-hydroxyphenyl)-6-[[1-(phenylsulfonyl)-1H-indol-4-yl]amino]-, methyl ester (CA INDEX NAME)

10/581,897

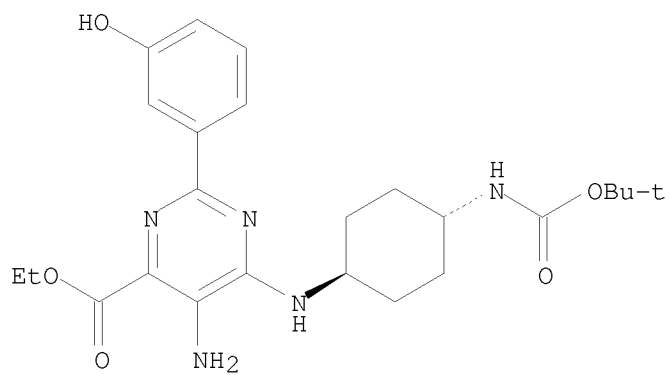


RN 1022158-89-9 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 5-amino-6-[[1-[(1,1-dimethylethoxy)carbonyl]-4-piperidinyl]amino]-2-(3-hydroxyphenyl)-, ethyl ester (CA INDEX NAME)



RN 1022158-98-0 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 5-amino-6-[[trans-4-[[1,1-dimethylethoxy)carbonyl]amino]cyclohexyl]amino]-2-(3-hydroxyphenyl)-, ethyl ester (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:1204062 CAPLUS

DN 147:463424

TI ~~Herbicide mixtures comprising pyrimidine derivatives~~IN ~~Armel, Gregory Russell; Casini, Mark S.; Cotterman, Josephine Cecilia; Hidalgo, Edison; Link, Michael L.; Rardon, Patrick L.; Saunders, David William; Strachan, Stephen D.~~

PA E. I. Du Pont De Nemours and Company, USA

SO PCT Int. Appl., 123pp.

CODEN: PIXXD2

common inventor

DT Patent

LA English

FAN.CNT 1

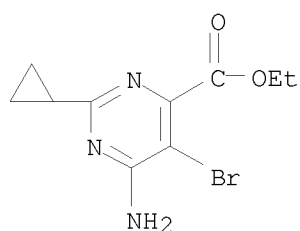
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007120706	A2	20071025	WO 2007-US8930	20070410
	WO 2007120706	A3	20080529		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW:				
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	AU 2007238732	A1	20071025	AU 2007-238732	20070410
	CA 2646143	A1	20071025	CA 2007-2646143	20070410
	EP 2003972	A2	20081224	EP 2007-755262	20070410
	R:				
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	IN 2008DN07403	A	20080926	IN 2008-DN7403	20080829
PRAI	US 2006-790659P	P	20060410	no pending US application	
	US 2006-852139P	P	20061017		
	WO 2007-US8930	W	20070410		

OS MARPAT 147:463424

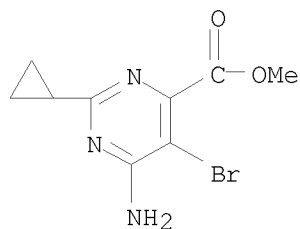
AB Disclosed is a herbicidal mixture comprising a pyrimidine derivative I (R1 = cyclopropyl, 4-bromophenyl or 4-chlorophenyl; X = Cl or Br; R2 = H, alkyl, alkoxyalkyl, alkoxyalkoxyalkyl, hydroxyalkyl or benzyl) or I N-oxides or salts, and at least one addnl. herbicide or herbicide safener selected from ACCase inhibitors, AHAS inhibitors, photosystem II inhibitors, photosystem I electron diverters, PPO inhibitors, EPSP synthase inhibitors, GS inhibitors, VLCFA inhibitors, auxin mimics, auxin transport inhibitors, and other herbicides selected from flamprop-M-Me, flamprop-M-iso-Pr, difenzoquat, DSMA, MSMA, bromobutide, flurenol, cinmethylin, cumyluron, dazomet, dymron, methyldymron, etobenzanid, fosamine-ammonium, isoxaflutole, asulam, clomazone, mesotrione, metam, oxaziclonofone, oleic acid, pelargonic acid and pyributicarb, as well as herbicide safeners selected from benoxacor, 1-bromo-4-[(chloromethyl)sulfonyl]benzene, cloquintocet-mexyl, cyometrinil, dichlormid, 2-(dichloromethyl)-2-methyl-1,3-dioxolane, fenclorazole-Et, fenclorim, flurazole, fluxofenim, furilazole, isoxadifen-Et, mefenpyr-diethyl, methoxyphenone, naphthalic anhydride and

oxabetrinil, and their salts.

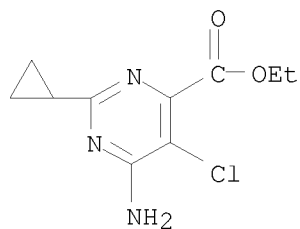
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 858954-79-7D, Ethyl 6-amino-5-chloro-2-cyclopropyl-4-  
 pyrimidinecarboxylate, mixts. containing 858954-82-2D, mixts. containing  
 858954-83-3D, Methyl 6-amino-5-chloro-2-cyclopropyl-4-  
 pyrimidinecarboxylate, mixts. containing 858954-96-8D, mixts. containing  
 858955-31-4D, mixts. containing 858955-37-0D, mixts. containing  
 858955-38-1D, mixts. containing 858955-48-3D, mixts. containing  
 858955-49-4D, mixts. containing 858955-50-7D, mixts. containing  
 858955-51-8D, mixts. containing 858955-67-6D, mixts. containing  
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 858955-86-9D, mixts. containing 858956-08-8D,  
 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid, mixts. containing  
 858956-12-4D, mixts. containing 858956-14-6D, mixts. containing  
 858956-15-7D, mixts. containing 858956-43-1D, mixts. containing  
 858956-44-2D, mixts. containing 858956-45-3D, mixts. containing  
 858956-46-4D, mixts. containing 945623-25-6D, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal compns.)
- RN 858954-76-4 CAPLUS
- CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



- RN 858954-77-5 CAPLUS
- CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, methyl ester  
 (CA INDEX NAME)

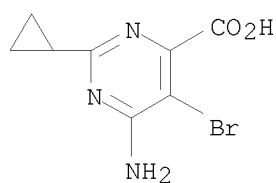


- RN 858954-79-7 CAPLUS
- CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



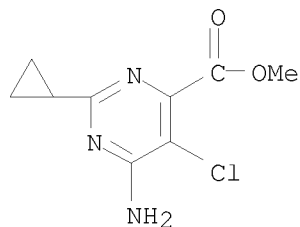
RN 858954-82-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX NAME)



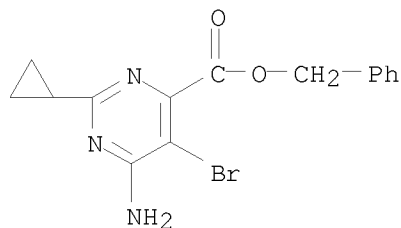
RN 858954-83-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester (CA INDEX NAME)



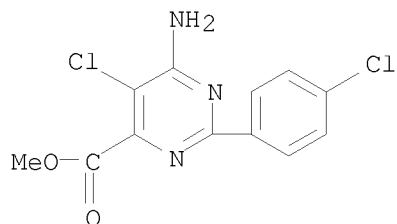
RN 858954-96-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, phenylmethyl ester (CA INDEX NAME)



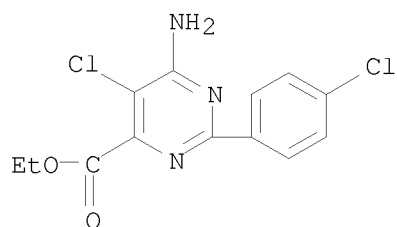
RN 858955-31-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



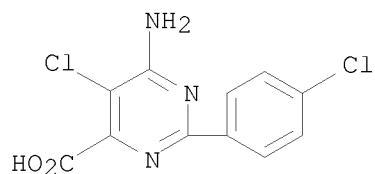
RN 858955-37-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



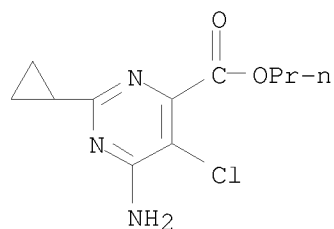
RN 858955-38-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



RN 858955-48-3 CAPLUS

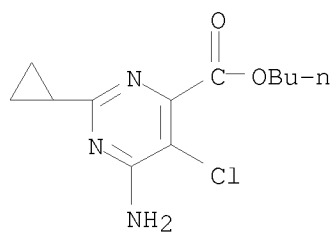
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, propyl ester (CA INDEX NAME)



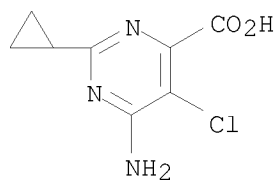
RN 858955-49-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, butyl ester

(CA INDEX NAME)

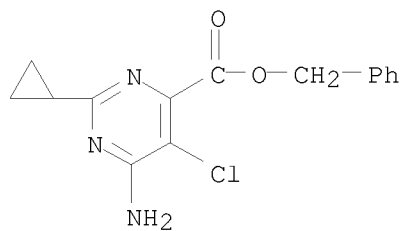


RN 858955-50-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, sodium salt  
(1:1) (CA INDEX NAME)

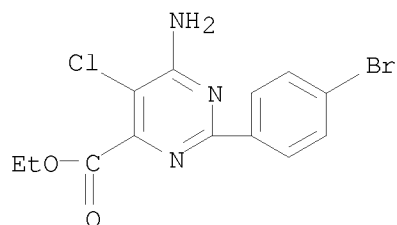
● Na

RN 858955-51-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, phenylmethyl  
ester (CA INDEX NAME)

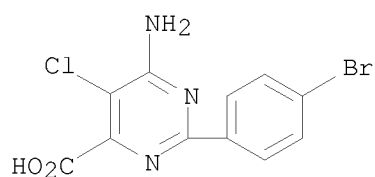
RN 858955-67-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, ethyl  
ester (CA INDEX NAME)



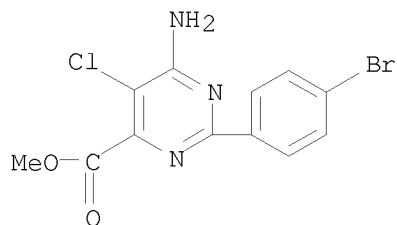
RN 858955-68-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro- (CA INDEX NAME)



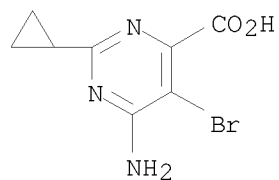
RN 858955-69-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, methyl ester (CA INDEX NAME)



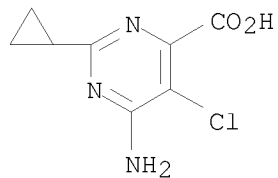
RN 858955-86-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, sodium salt (1:1) (CA INDEX NAME)

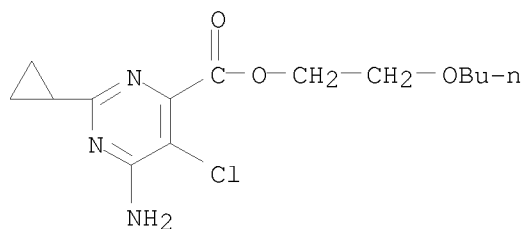


● Na

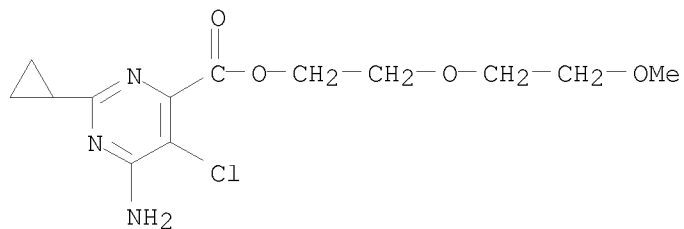
RN 858956-08-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)



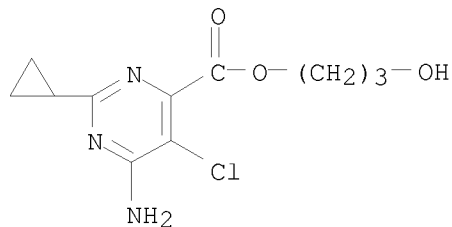
RN 858956-12-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-butoxyethyl ester (CA INDEX NAME)



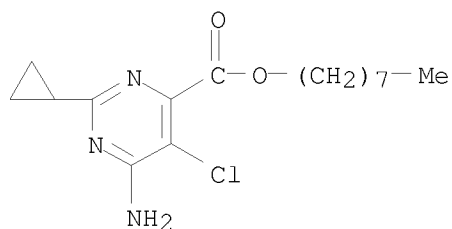
RN 858956-14-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-(2-methoxyethoxy)ethyl ester (CA INDEX NAME)



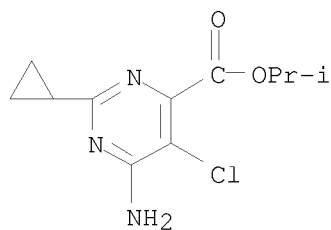
RN 858956-15-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 3-hydroxypropyl ester (CA INDEX NAME)



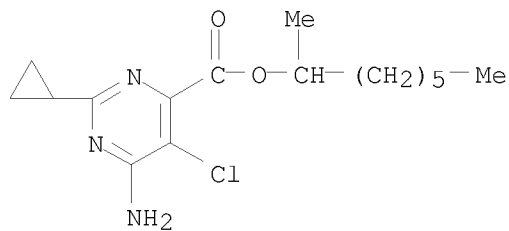
RN 858956-43-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, octyl ester  
(CA INDEX NAME)

RN 858956-44-2 CAPLUS

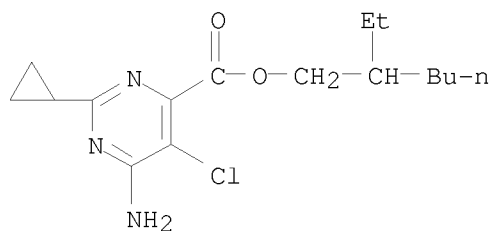
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
1-methylethyl ester (CA INDEX NAME)

RN 858956-45-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
1-methylheptyl ester (CA INDEX NAME)

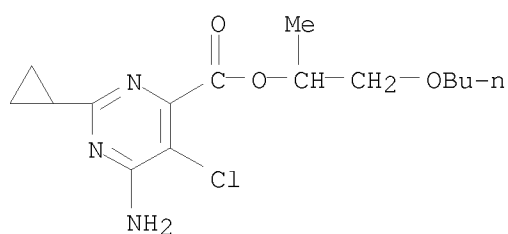
RN 858956-46-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-ethylhexyl  
ester (CA INDEX NAME)



RN 945623-25-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
2-butoxy-1-methylethyl ester (CA INDEX NAME)



IT 952660-55-8 952660-56-9 952660-59-2  
 952660-60-5 952660-62-7 952660-63-8  
 952660-64-9 952660-65-0 952660-66-1  
 952660-67-2 952660-69-4 952660-70-7  
 952660-71-8 952660-72-9 952660-73-0  
 952660-74-1 952660-75-2 952660-76-3  
 952660-77-4 952660-78-5 952660-79-6  
 952660-80-9 952660-81-0 952660-82-1  
 952660-83-2 952660-84-3 952660-85-4  
 952660-86-5 952660-87-6 952660-88-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (herbicidal mixture)

RN 952660-55-8 CAPLUS

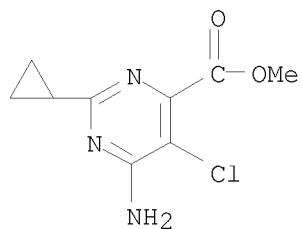
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl  
 ester, mixt. with 6-chloro-N2-ethyl-N4-(1-methylethyl)-1,3,5-triazine-2,4-  
 diamine (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

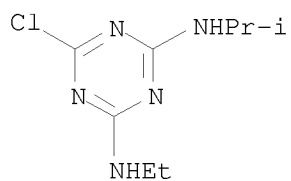
10/581,897



CM 2

CRN 1912-24-9

CMF C8 H14 Cl N5



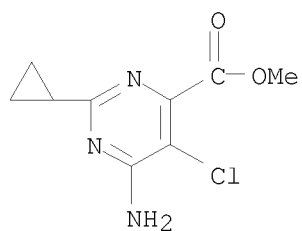
RN 952660-56-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(1S)-2-methoxy-1-methylethyl]acetamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

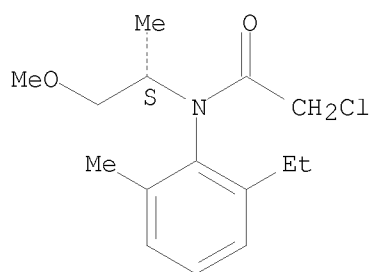


CM 2

CRN 87392-12-9

CMF C15 H22 Cl N O2

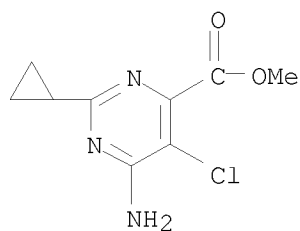
Absolute stereochemistry. Rotation (-).



RN 952660-59-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with (2R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoic acid (CA INDEX NAME)

CM 1

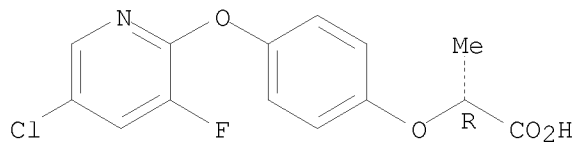
CRN 858954-83-3  
 CMF C9 H10 Cl N3 O2



CM 2

CRN 114420-56-3  
 CMF C14 H11 Cl F N O4

Absolute stereochemistry.



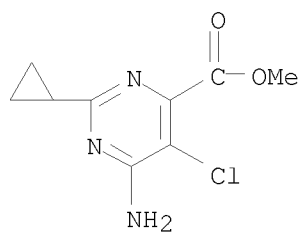
RN 952660-60-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

10/581,897

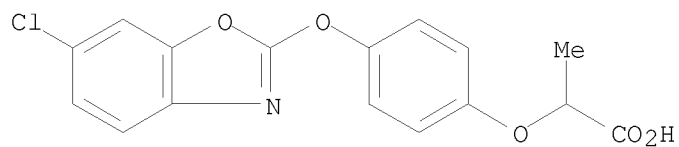
CMF C9 H10 Cl N3 O2



CM 2

CRN 95617-09-7

CMF C16 H12 Cl N O5



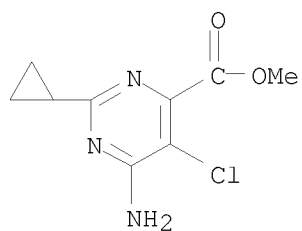
RN 952660-62-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester, mixt. with methyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate (CA INDEX NAME)

CM 1

CRN 858954-83-3

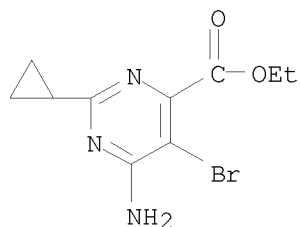
CMF C9 H10 Cl N3 O2



CM 2

CRN 858954-76-4

CMF C10 H12 Br N3 O2



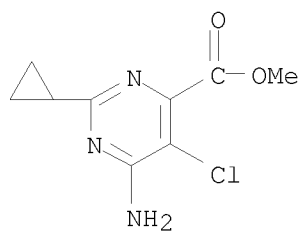
RN 952660-63-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

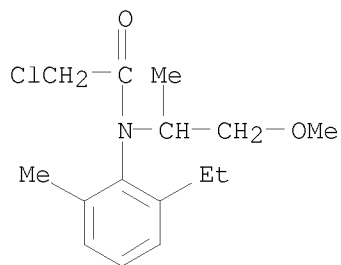
CMF C9 H10 Cl N3 O2



CM 2

CRN 51218-45-2

CMF C15 H22 Cl N O2



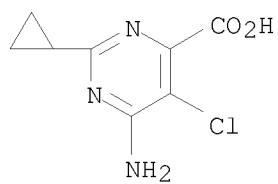
RN 952660-64-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with 6-chloro-N2-ethyl-N4-(1-methylethyl)-1,3,5-triazine-2,4-diamine (CA INDEX NAME)

CM 1

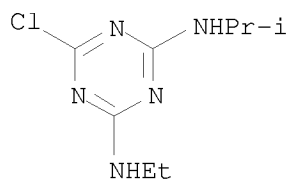
10/581,897

CRN 858956-08-8  
CMF C8 H8 Cl N3 O2



CM 2

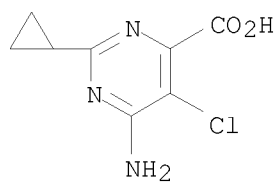
CRN 1912-24-9  
CMF C8 H14 Cl N5



RN 952660-65-0 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with  
2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide  
(CA INDEX NAME)

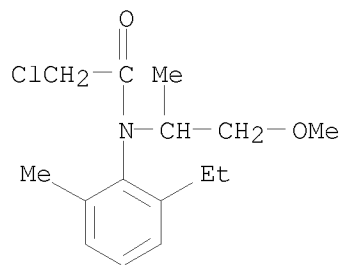
CM 1

CRN 858956-08-8  
CMF C8 H8 Cl N3 O2



CM 2

CRN 51218-45-2  
CMF C15 H22 Cl N O2



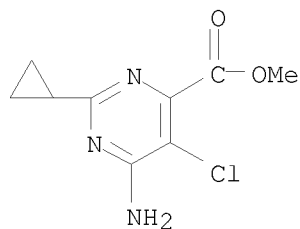
RN 952660-66-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with N'-(3,4-dichlorophenyl)-N,N-dimethylurea (CA INDEX NAME)

CM 1

CRN 858954-83-3

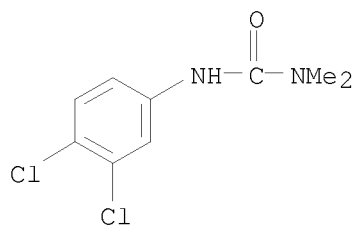
CMF C9 H10 Cl N3 O2



CM 2

CRN 330-54-1

CMF C9 H10 Cl2 N2 O



RN 952660-67-2 CAPLUS

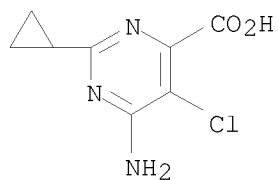
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with N'-(3,4-dichlorophenyl)-N,N-dimethylurea (CA INDEX NAME)

CM 1

CRN 858956-08-8

10/581,897

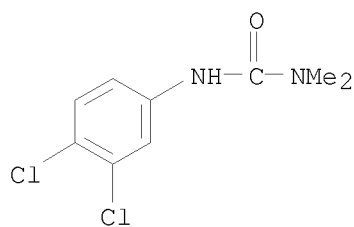
CMF C8 H8 Cl N3 O2



CM 2

CRN 330-54-1

CMF C9 H10 Cl2 N2 O



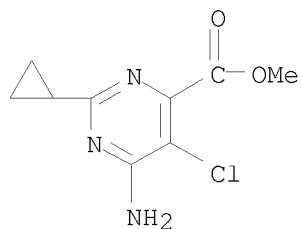
RN 952660-69-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with N-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

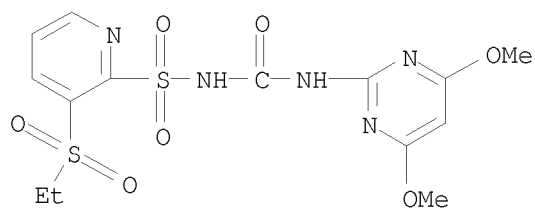
CMF C9 H10 Cl N3 O2



CM 2

CRN 122931-48-0

CMF C14 H17 N5 O7 S2



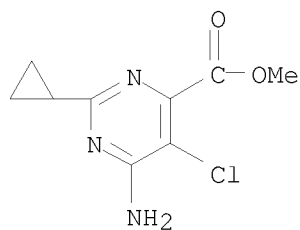
RN 952660-70-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (CA INDEX NAME)

CM 1

CRN 858954-83-3

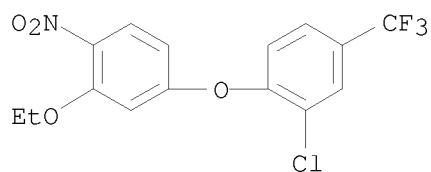
CMF C9 H10 Cl N3 O2



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



RN 952660-71-8 CAPLUS

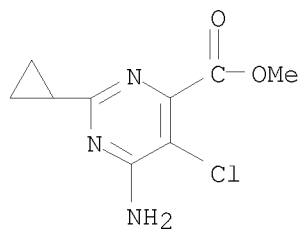
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 1-chloro-N-[2-chloro-4-fluoro-5-[(6S,7aR)-6-fluorotetrahydro-1,3-dioxo-1H-pyrrolo[1,2-c]imidazol-2(3H)-yl]phenyl]methanesulfonamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

10/581,897

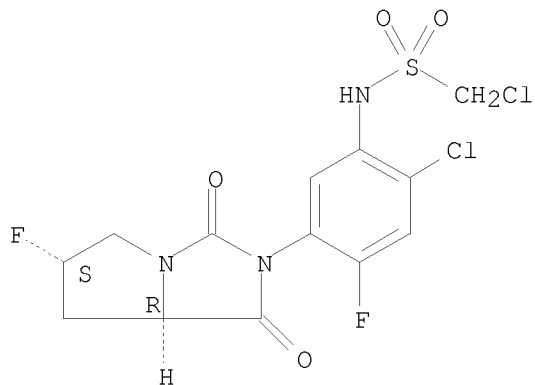


CM 2

CRN 190314-43-3

CMF C13 H11 Cl2 F2 N3 O4 S

Absolute stereochemistry.



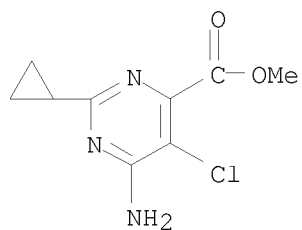
RN 952660-72-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

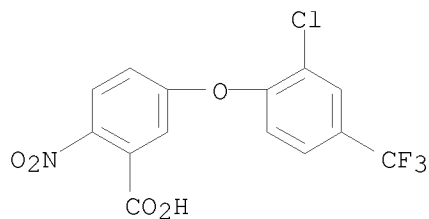
CMF C9 H10 Cl N3 O2



CM 2

CRN 50594-66-6

CMF C14 H7 Cl F3 N O5



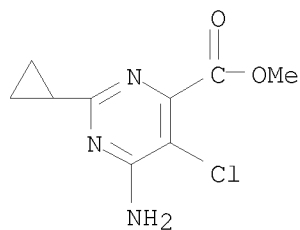
RN 952660-73-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propyn-1-yl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (CA INDEX NAME)

CM 1

CRN 858954-83-3

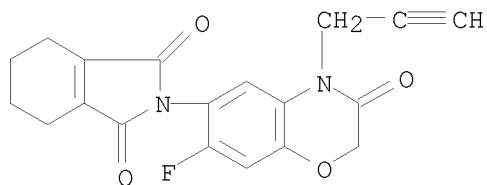
CMF C9 H10 Cl N3 O2



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



RN 952660-74-1 CAPLUS

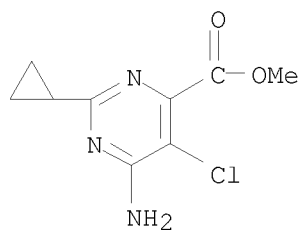
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with  $\alpha$ ,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-

methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

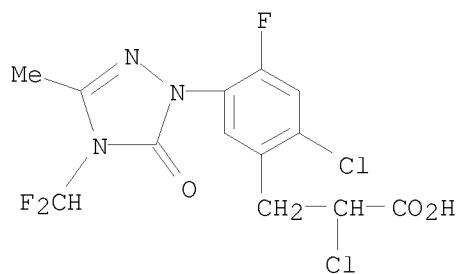
CMF C9 H10 Cl N3 O2



CM 2

CRN 128621-72-7

CMF C13 H10 Cl2 F3 N3 O3



RN 952660-75-2 CAPLUS

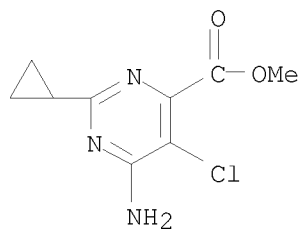
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

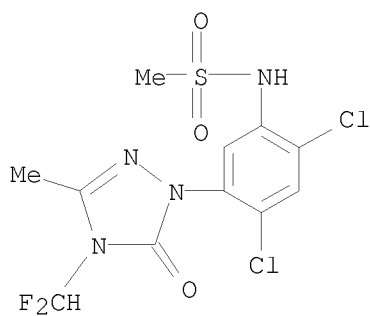
10/581,897



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



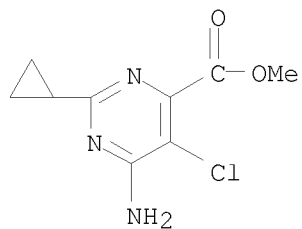
RN 952660-76-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[2,4-dichloro-5-(2-propyn-1-yloxy)phenyl]-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one (CA INDEX NAME)

CM 1

CRN 858954-83-3

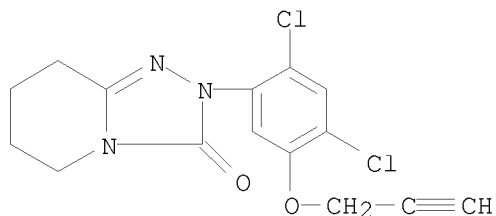
CMF C9 H10 Cl2 N3 O2



CM 2

CRN 68049-83-2

CMF C15 H13 Cl2 N3 O2



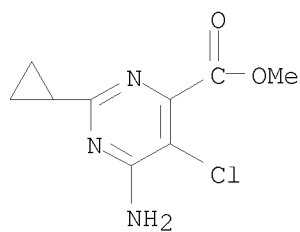
RN 952660-77-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-(2,4-dichlorophenoxy)acetic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

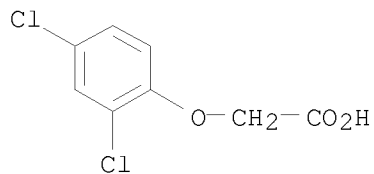
CMF C9 H10 Cl N3 O2



CM 2

CRN 94-75-7

CMF C8 H6 Cl2 O3



RN 952660-78-5 CAPLUS

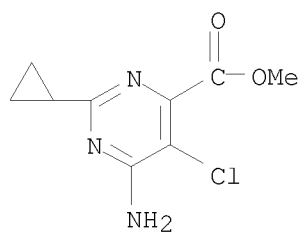
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-(4-chloro-2-methylphenoxy)acetic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

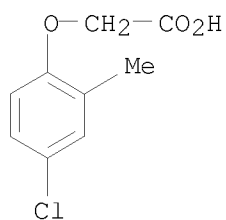
10/581,897



CM 2

CRN 94-74-6

CMF C9 H9 Cl O3



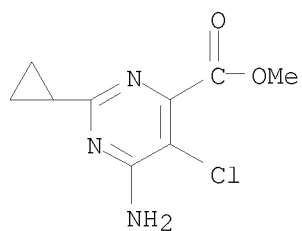
RN 952660-79-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

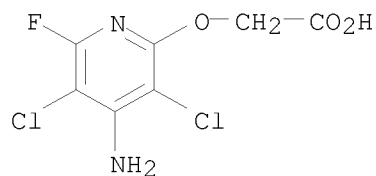
CMF C9 H10 Cl N3 O2



CM 2

CRN 69377-81-7

CMF C7 H5 Cl2 F N2 O3



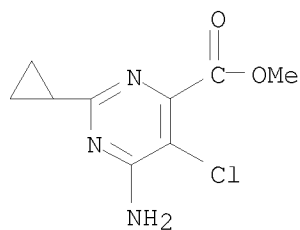
RN 952660-80-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[1-[2-[(3,5-difluorophenyl)amino]carbonyl]hydrazinylidene]ethyl]-3-pyridinecarboxylic acid (CA INDEX NAME)

CM 1

CRN 858954-83-3

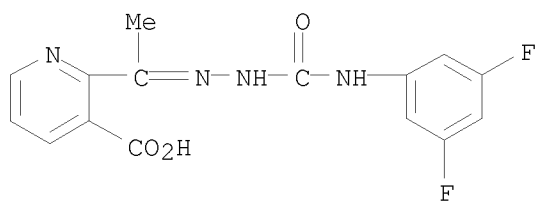
CMF C9 H10 Cl N3 O2



CM 2

CRN 109293-97-2

CMF C15 H12 F2 N4 O3



RN 952660-81-0 CAPLUS

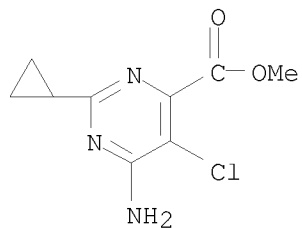
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-N,N-dimethyl-3-pyridinecarboxamide (CA INDEX NAME)

CM 1

CRN 858954-83-3

CMF C9 H10 Cl N3 O2

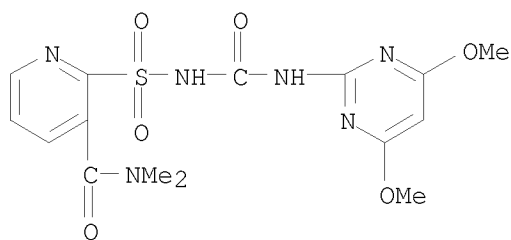
10/581,897



CM 2

CRN 111991-09-4

CMF C15 H18 N6 O6 S



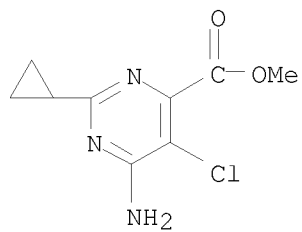
RN 952660-82-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate (CA INDEX NAME)

CM 1

CRN 858954-83-3

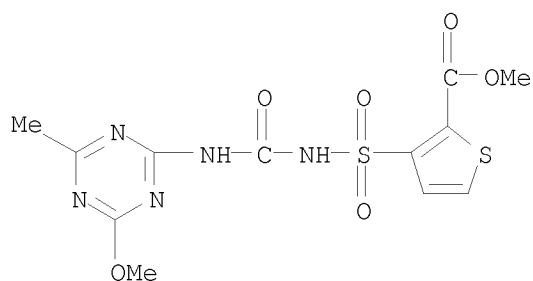
CMF C9 H10 Cl N3 O2



CM 2

CRN 79277-27-3

CMF C12 H13 N5 O6 S2



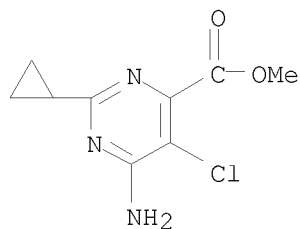
RN 952660-83-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with methyl 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate (CA INDEX NAME)

CM 1

CRN 858954-83-3

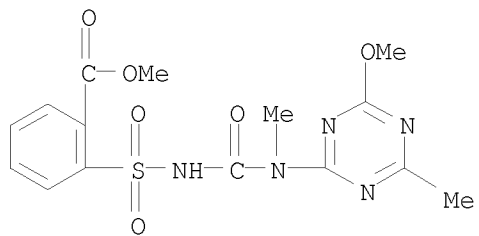
CMF C9 H10 Cl N3 O2



CM 2

CRN 101200-48-0

CMF C15 H17 N5 O6 S



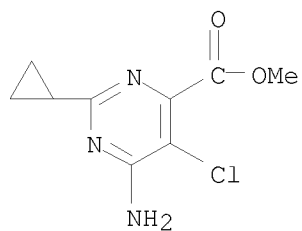
RN 952660-84-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with ethyl 4,5-dihydro-5,5-diphenyl-3-isoxazolecarboxylate (CA INDEX NAME)

CM 1

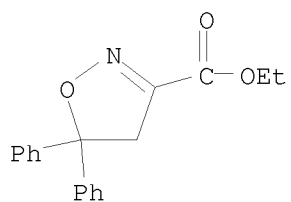
10/581,897

CRN 858954-83-3  
CMF C9 H10 Cl N3 O2



CM 2

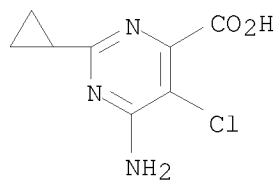
CRN 163520-33-0  
CMF C18 H17 N O3



RN 952660-85-4 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with  
1H,3H-naphtho[1,8-cd]pyran-1,3-dione (CA INDEX NAME)

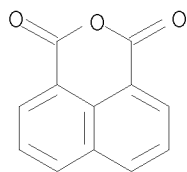
CM 1

CRN 858956-08-8  
CMF C8 H8 Cl N3 O2



CM 2

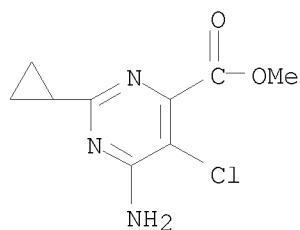
CRN 81-84-5  
CMF C12 H6 O3



RN 952660-86-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 1H,3H-naphtho[1,8-cd]pyran-1,3-dione (CA INDEX NAME)

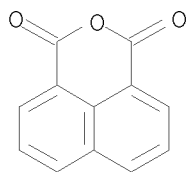
CM 1

CRN 858954-83-3  
 CMF C9 H10 Cl N3 O2



CM 2

CRN 81-84-5  
 CMF C12 H6 O3

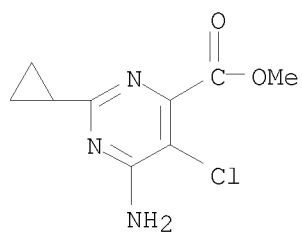


RN 952660-87-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester, mixt. with 2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-(formylamino)-N,N-dimethylbenzamide and ethyl 4,5-dihydro-5,5-diphenyl-3-isoxazolecarboxylate (CA INDEX NAME)

CM 1

CRN 858954-83-3  
 CMF C9 H10 Cl N3 O2

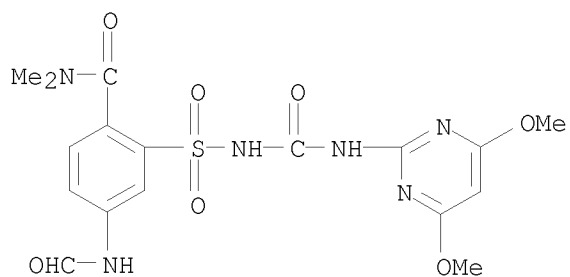
10/581,897



CM 2

CRN 173159-57-4

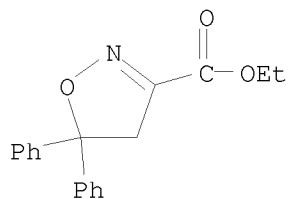
CMF C17 H20 N6 O7 S



CM 3

CRN 163520-33-0

CMF C18 H17 N O3



RN 952660-88-7 CAPLUS

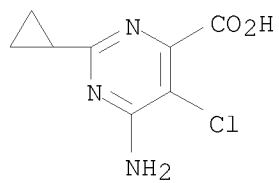
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, mixt. with ethyl 4,5-dihydro-5,5-diphenyl-3-isoxazolecarboxylate (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2

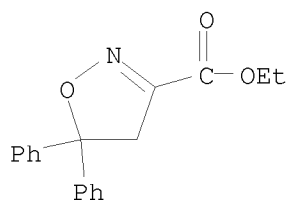
10/581,897



CM 2

CRN 163520-33-0

CMF C18 H17 N O3



L10 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:906765 CAPLUS

DN 147:228744

TI Pyrimidinecarboxylate derivatives and related compounds as cotton defoliants

IN ~~Bone, James; Rowe, Loston; Smith, I. Dan;~~ Williams, Charles Steven

PA E. I. du Pont de Nemours and Company, USA

SO PCT Int. Appl., 50pp.

CODEN: PIXXD2

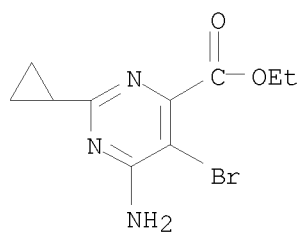
common assignee

DT Patent

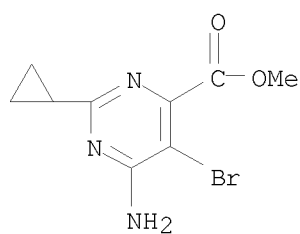
LA English

FAN.CNT 1

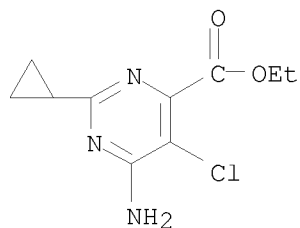
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PI	WO 2007092184	A2	20070816	WO 2007-US2267	20070126
	WO 2007092184	A3	20081231		
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	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
	AU 2007212702	A1	20070816	AU 2007-212702	20070126
PRAI	US 2006-764539P	P	20060202	no pending US application	
	US 2006-765542P	P	20060206		
	WO 2007-US2267	W	20070126		
OS	MARPAT 147:228744				
AB	Pyrimidinecarboxylate derivs. and related compds. I [R1 = (un)substituted (cyclo)alkyl, alkenyl, etc.; R2 = CO2H, alkoxycarbonyl, etc.; R3 = halo, (thio)cyano, nitro, alkyl, etc.; W = H, NH2, NO2 N3, etc.; X = N or (un)substituted CH] inhibit the regrowth of foliage of cotton conditioned for harvest or after harvest. I can be used as a mixture with known defoliants or desiccants.				
IT	858954-76-4 858954-77-5 858954-79-7, Ethyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate 858954-82-2 858954-83-3, Methyl 6-amino-5-chloro-2-cyclopropyl-4- pyrimidinecarboxylate 858954-96-8 858955-31-4 858955-37-0 858955-38-1 858955-48-3 858955-49-4 858955-50-7 858955-51-8 858955-67-6 858955-68-7 858955-69-8 858955-86-9 858956-08-8 858956-12-4 858956-14-6 858956-15-7 858956-43-1 858956-44-2 858956-45-3 858956-46-4 945623-25-6 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (cotton defoliant)				
RN	858954-76-4 CAPLUS				
CN	4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester (CA INDEX NAME)				



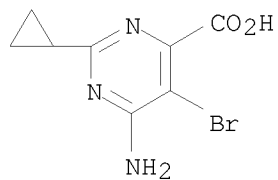
RN 858954-77-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, methyl ester  
 (CA INDEX NAME)



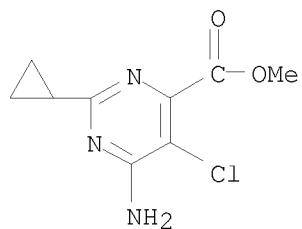
RN 858954-79-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



RN 858954-82-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX  
 NAME)

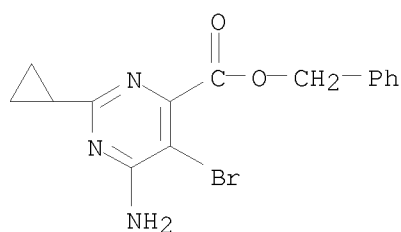


RN 858954-83-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester  
 (CA INDEX NAME)



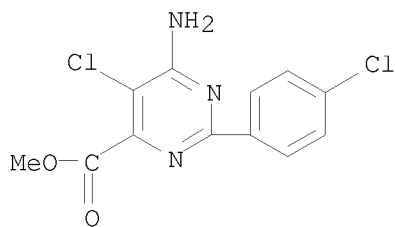
RN 858954-96-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, phenylmethyl ester (CA INDEX NAME)



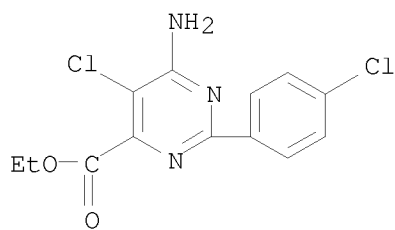
RN 858955-31-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



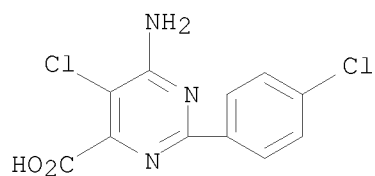
RN 858955-37-0 CAPLUS

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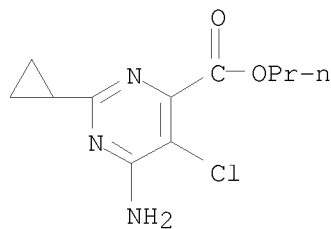
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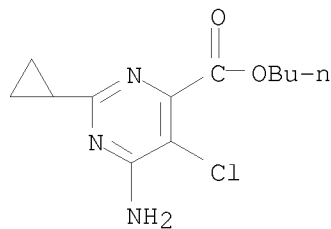
RN 858955-48-3 CAPLUS

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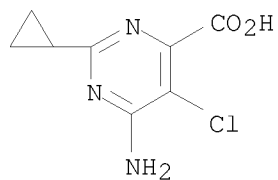
RN 858955-49-4 CAPLUS

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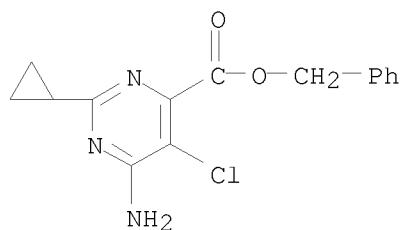
RN 858955-50-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, sodium salt (1:1) (CA INDEX NAME)

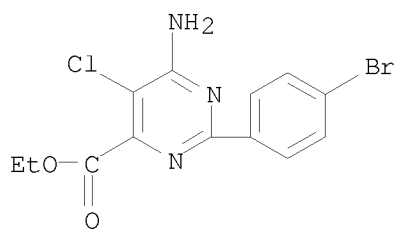


● Na

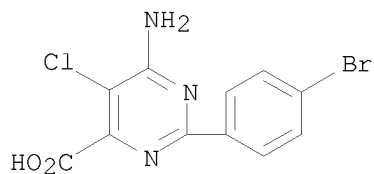
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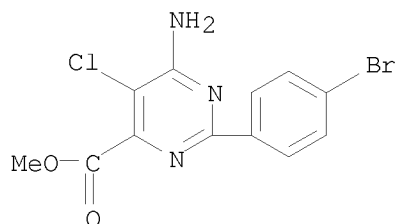
RN 858955-67-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, ethyl ester (CA INDEX NAME)



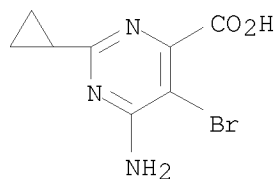
RN 858955-68-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro- (CA INDEX NAME)



RN 858955-69-8 CAPLUS  
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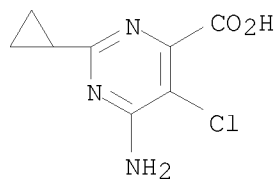


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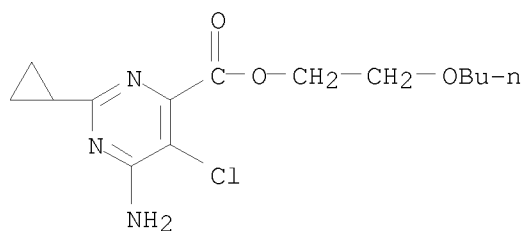


● Na

RN 858956-08-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)

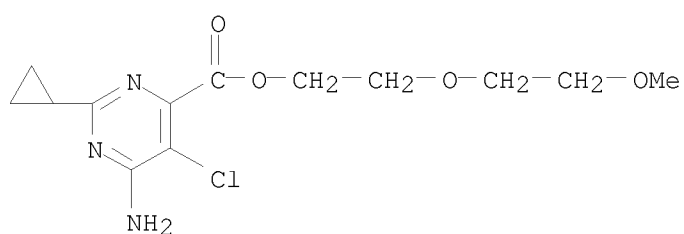


RN 858956-12-4 CAPLUS  
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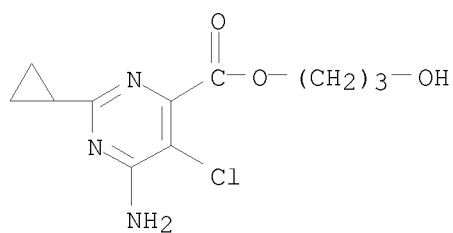
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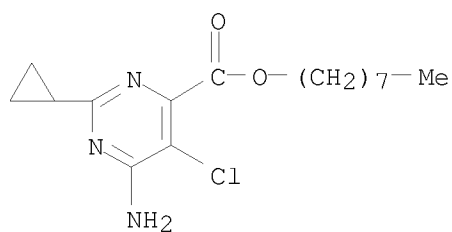
RN 858956-15-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
3-hydroxypropyl ester (CA INDEX NAME)



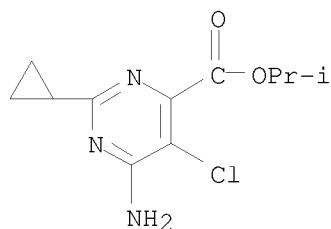
RN 858956-43-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, octyl ester  
(CA INDEX NAME)

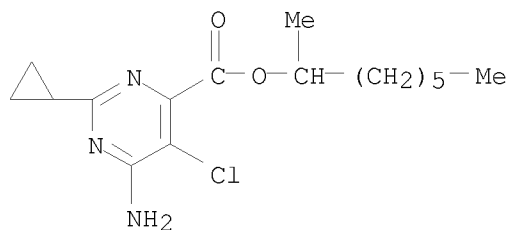


RN 858956-44-2 CAPLUS

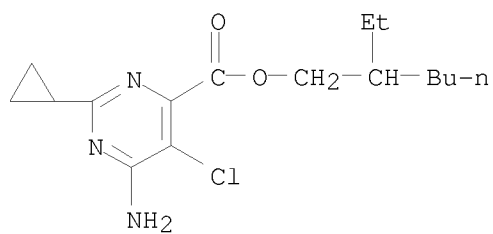
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
1-methylethyl ester (CA INDEX NAME)



RN 858956-45-3 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
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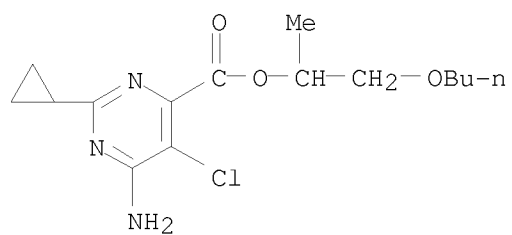


RN 858956-46-4 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-ethylhexyl  
ester (CA INDEX NAME)



RN 945623-25-6 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
2-butoxy-1-methylethyl ester (CA INDEX NAME)

10/581,897



L10 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:789888 CAPLUS

DN 147:189192

TI Preparation of 2-(polysubstituted aryl)-6-amino-5-halo-4-pyrimidinecarboxylic acids as herbicides.

IN Epp, Jeffrey Brian; Schmitzer, Paul Richard; Ruiz, James Melvin; Balko, Terry William; Siddall, Thomas Lyman; Yerkes, Carla Nanette

PA Dow Agrosciences LLC, USA

SO PCT Int. Appl., 68pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007082076	A1	20070719	WO 2007-US916	20070112
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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	US 20070179059	A1	20070802	US 2007-653021	20070112
	US 7300907	B2	20071127		
	EP 1971579	A1	20080924	EP 2007-709791	20070112
	R: DE, FR, GB, IT				
	US 20080091016	A1	20080417	US 2007-973543	20071009
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PRAI	US 2006-758671P	P	20060113		
	US 2007-653021	A1	20070112		
	WO 2007-US916	W	20070112		

OS MARPAT 147:189192

AB Title compds. [I; Q = halo; R1, R2 = H, alkyl, alkenyl, alkynyl, OH, alkoxy, amino, acyl, carboalkoxy, alkylcarbonyl, alkylsulfonyl, trialkylsilyl, dialkylphosphonyl; NR1R2 = 5- or 6-membered saturated ring; Ar = polysubstituted aryl; and agrochem. acceptable derivs. thereof], were prepared. Thus, Me 5-chloro-2-(4-chloro-3-ethoxy-2-fluorophenyl)-6-methanesulfonylpyrimidine-4-carboxylate (preparation given) was stirred 3 h with NH3 in dioxane/MeOH to give 54% Me 6-amino-5-chloro-2-(4-chloro-3-ethoxy-2-fluorophenyl)pyrimidine-4-carboxylate. The latter at 140 g/ha post-emergent gave 100% control of Chenopodium album, Abutilon theophrasti, and Helianthus annuus.

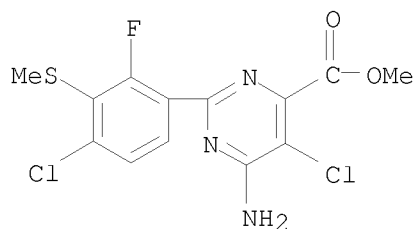
IT 944128-68-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of arylaminohalopyrimidinecarboxylic acids as herbicides)

RN 944128-68-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-chloro-2-fluoro-3-(methylthio)phenyl]-, methyl ester (CA INDEX NAME)



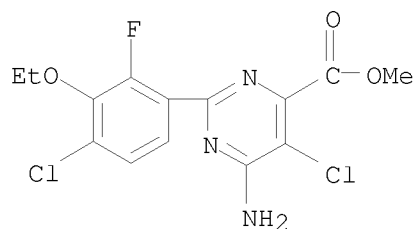
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 944128-81-8P 944128-82-9P 944128-83-0P  
 944128-84-1P 944128-85-2P 944128-86-3P  
 944128-87-4P 944128-88-5P 944128-89-6P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of arylaminohalopyrimidinecarboxylic acids as herbicides)

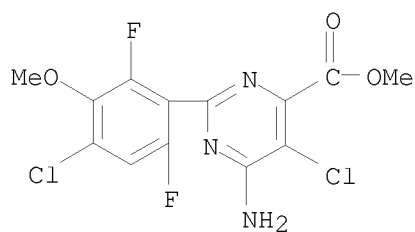
RN 944128-65-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chloro-3-ethoxy-2-fluorophenyl)-, methyl ester (CA INDEX NAME)



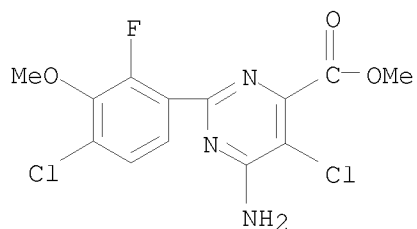
RN 944128-66-9 CAPLUS

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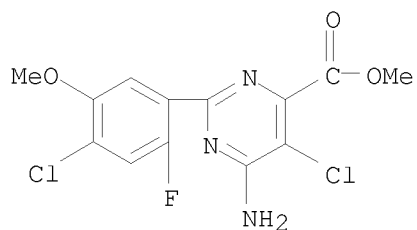
RN 944128-67-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chloro-2-fluoro-3-methoxyphenyl)-, methyl ester (CA INDEX NAME)



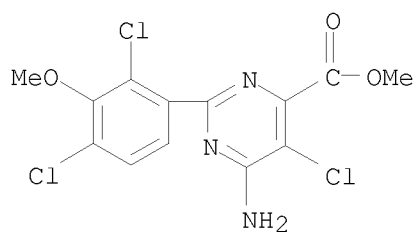
RN 944128-69-2 CAPLUS

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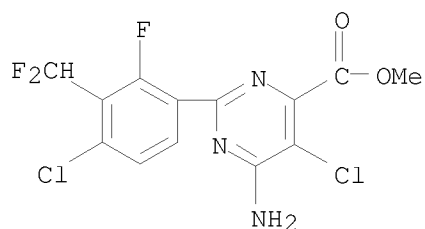
RN 944128-70-5 CAPLUS

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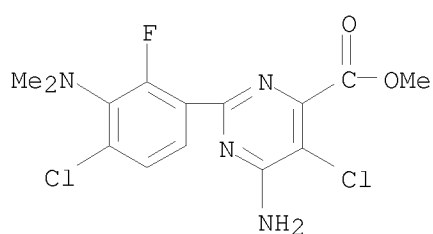
RN 944128-71-6 CAPLUS

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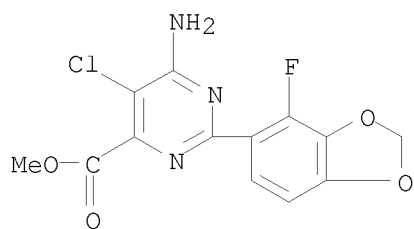
RN 944128-72-7 CAPLUS

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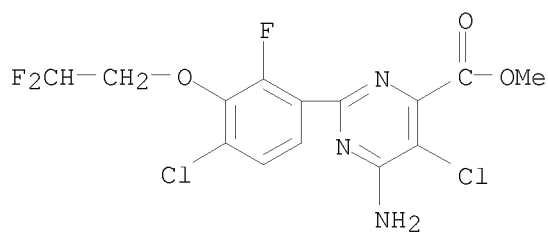
RN 944128-73-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-fluoro-1,3-benzodioxol-5-yl)-, methyl ester (CA INDEX NAME)



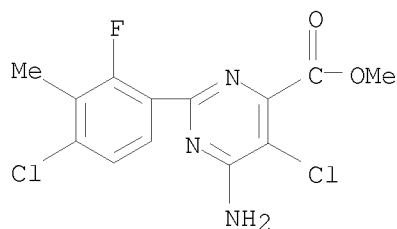
RN 944128-74-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-chloro-3-(2,2-difluoroethoxy)-2-fluorophenyl]-, methyl ester (CA INDEX NAME)



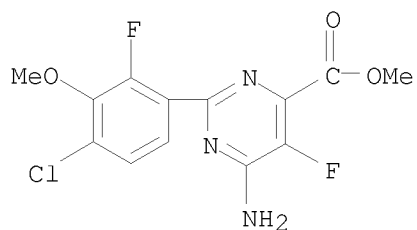
RN 944128-75-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chloro-2-fluoro-3-methylphenyl)-, methyl ester (CA INDEX NAME)



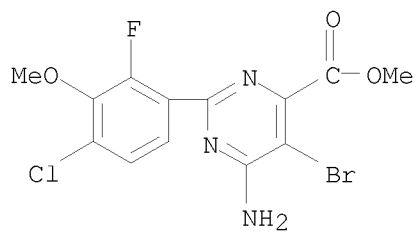
RN 944128-76-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoro-, methyl ester (CA INDEX NAME)



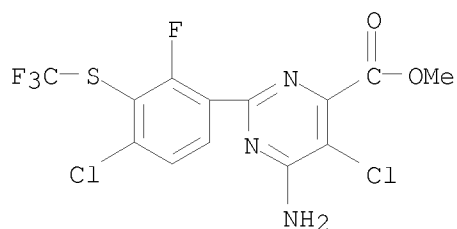
RN 944128-77-2 CAPLUS

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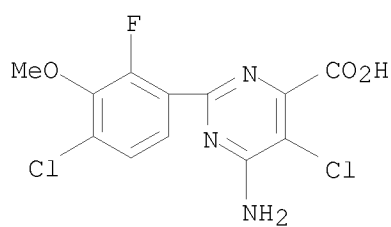
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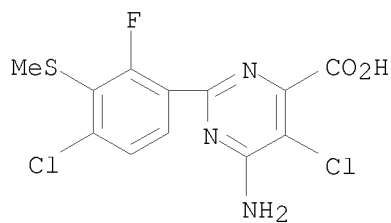
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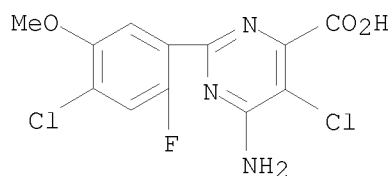
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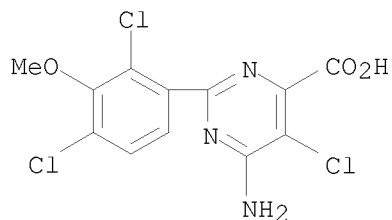
RN 944128-81-8 CAPLUS

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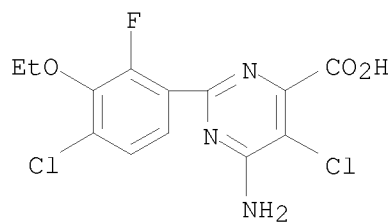
RN 944128-82-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,4-dichloro-3-methoxyphenyl)- (CA INDEX NAME)



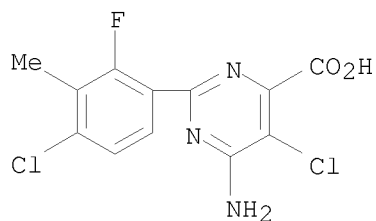
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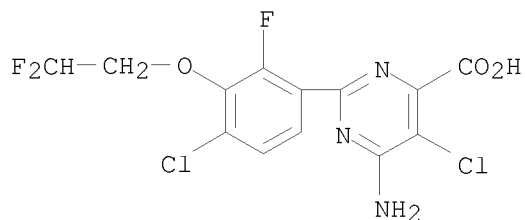
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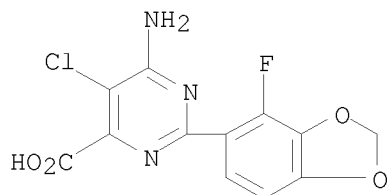


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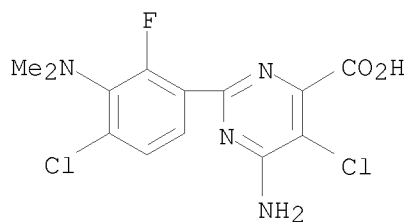
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-chloro-3-(2,2-difluoroethoxy)-2-fluorophenyl]- (CA INDEX NAME)



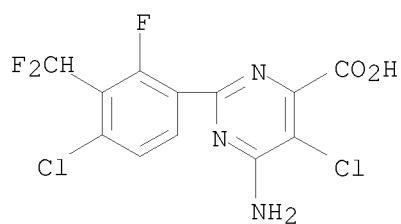
RN 944128-86-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-fluoro-1,3-benzodioxol-5-yl)- (CA INDEX NAME)



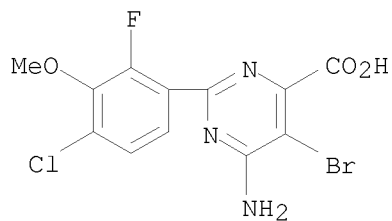
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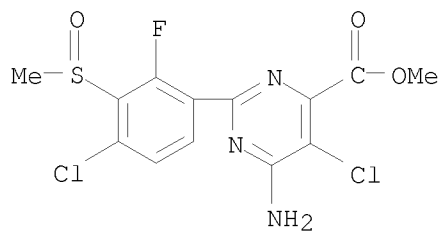
RN 944128-88-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-chloro-3-(difluoromethyl)-2-fluorophenyl]- (CA INDEX NAME)



RN 944128-89-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chloro-2-fluoro-3-methoxyphenyl)- (CA INDEX NAME)



IT 944129-06-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of arylaminohalopyrimidinecarboxylic acids as herbicides)  
 RN 944129-06-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-chloro-2-fluoro-3-  
 (methylsulfinyl)phenyl]-, methyl ester (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2006:1226934 CAPLUS  
 DN 146:7979  
 TI Method for preparing substituted pyrimidines  
 IN Annis, Gary David  
 PA E. I. Du Pont De Nemours and Company, USA  
 SO PCT Int. Appl., 26pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006124657	A1	20061123	WO 2006-US18522	20060512
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OS CASREACT 146:7979; MARPAT 146:7979

AB The invention relates to a method for preparing a ester I [R1 = cyclopropyl, 4-chlorophenyl or 4-bromophenyl; R2 = alkyl] comprising contacting acetal II with a persulfate oxidant in the presence of a strong sulfur- or phosphorus-containing mineral acid such as sulfuric acid and an oxidation resistant solvent. Thus, reacting 5-chloro-2-cyclopropyl-6-(diethoxymethyl)-4-pyrimidinamine with ammonium persulfate in the presence of sulfuric acid in acetonitrile afforded 55% Et 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate.

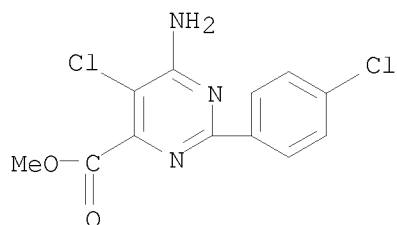
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 858955-78-9 858956-08-8 858956-43-1  
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 1042145-25-4

RL: PRPH (Prophetic)

(Method for preparing substituted pyrimidines)

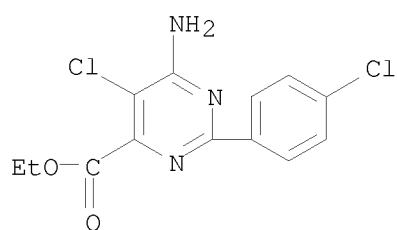
RN 858955-31-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



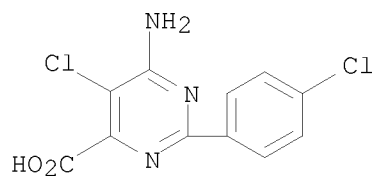
RN 858955-37-0 CAPLUS

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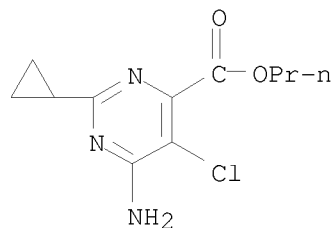
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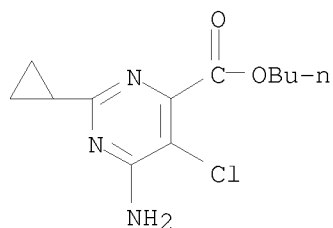
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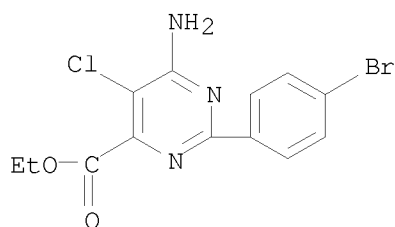


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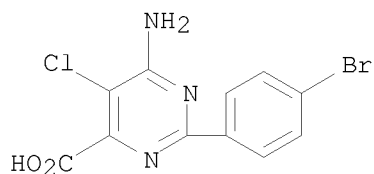
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, butyl ester (CA INDEX NAME)



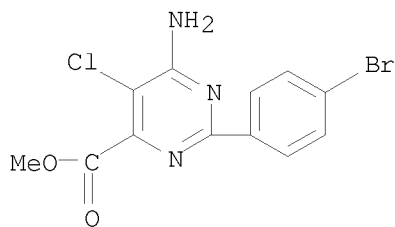
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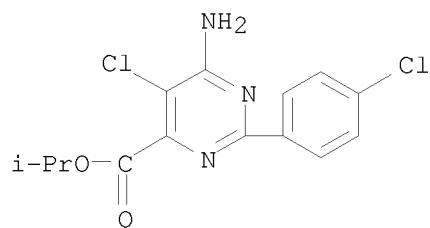


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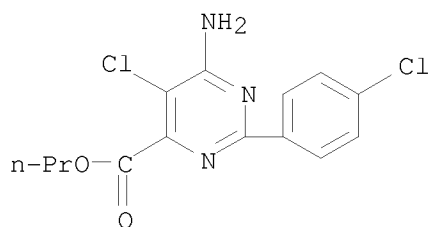
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,

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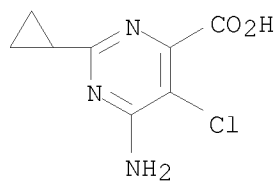
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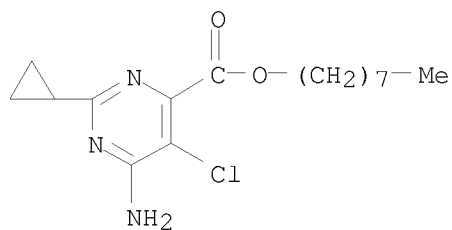
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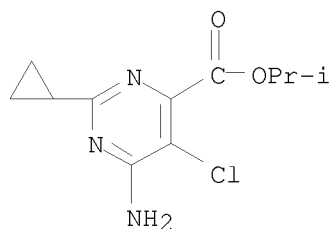
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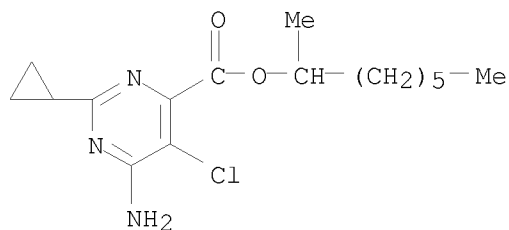


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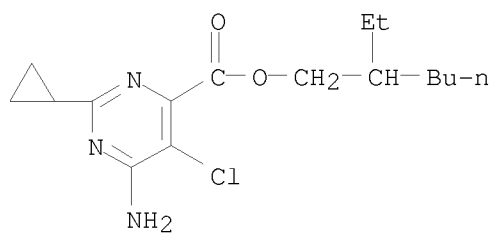
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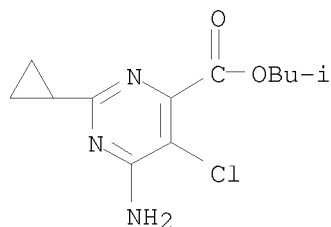
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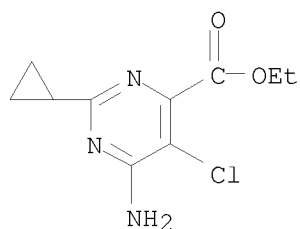
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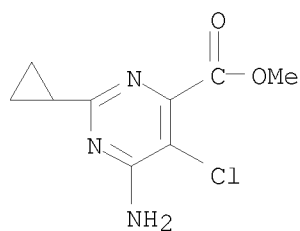
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IT 858954-79-7P, Ethyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate 858954-83-3P, Methyl 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (method for preparing substituted pyrimidines)  
 RN 858954-79-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



RN 858954-83-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester (CA INDEX NAME)



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2006:1201993 CAPLUS  
 DN 145:505468  
 TI Process for preparation of optionally 2-substituted  
 1,6-dihydro-6-oxo-4-pyrimidinecarboxylic acids from oxalacetate salts and  
 carboximidamides  
 IN Shapiro, Rafael  
 PA E. I. Du Pont de Nemours and Company, USA  
 SO PCT Int. Appl., 36pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

common assignee

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	WO 2006121648	A3	20061228		
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	KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				
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	EP 1877384	A2	20080116	EP 2006-751830	20060428
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	WO 2006-US16340	W	20060428		

no ODP  
all process claims

OS CASREACT 145:505468; MARPAT 145:505468  
 AB Title compds. [I; R1 = H, (substituted) carbon moiety], were prepared by  
 contacting R2O2C(MO)C:CHCO2R3 (M = alkali metal; R2, R3 = alkyl) with a  
 base and water to provide MO2C(MO)C:CHCO2R3 (variables as above) in solution  
 and contacting the latter with R1C(:NH)NH2 (R1 as above) in the presence  
 of a second base to maintain pH 9-12, followed by addition of acid. Thus, a  
 mixture of H2O/denatured EtOH was treated with di-Et oxalacetate Na salt  
 over 10 min; aqueous NaOH was then added over 1 h followed by stirring for 30  
 min. Cyclopropanecarboximidamide hydrochloride (preparation given) in H2O and  
 then aqueous NaOH were added over 1 h to pH 10.5-11.5. The solution was heated  
 to 60° over 1 h followed by cooling to 45-50° and treatment  
 with aqueous HCl to give 85% 2-cyclopropyl-1,6-dihydro-6-oxo-4-  
 pyrimidinecarboxylic acid. The latter was converted to Me  
 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate.

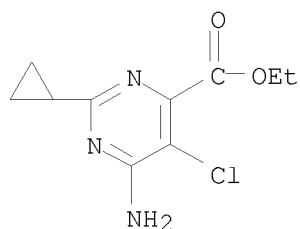
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 1042146-14-4 1042146-15-5 1042146-17-7

RL: PRPH (Prophetic)

(Process for preparation of optionally 2-substituted  
 1,6-dihydro-6-oxo-4-pyrimidinecarboxylic acids from oxalacetate salts  
 and carboximidamides)

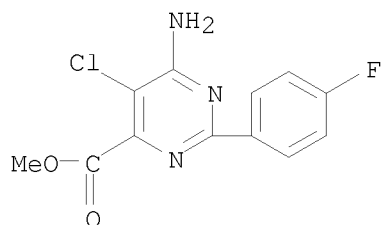
RN 858954-79-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)

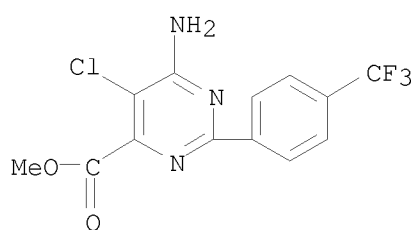


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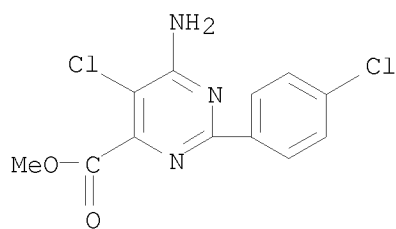
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 ester (CA INDEX NAME)



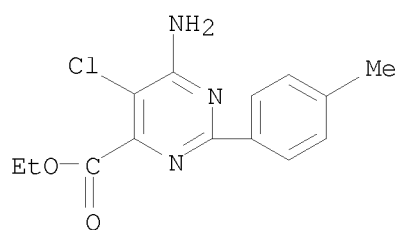
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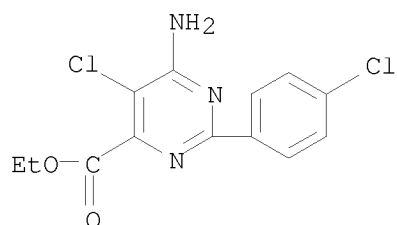


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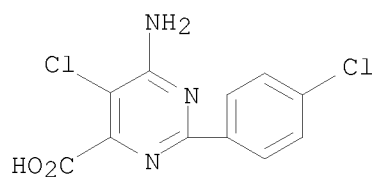
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



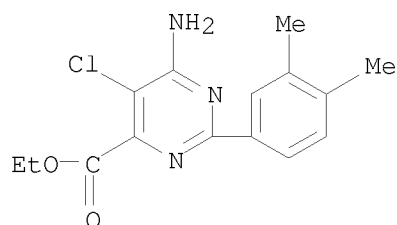
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



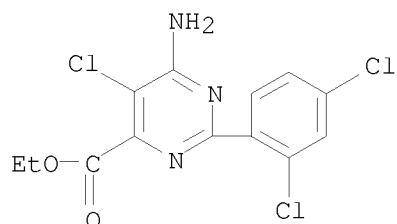
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3,4-dimethylphenyl)-, ethyl ester (CA INDEX NAME)

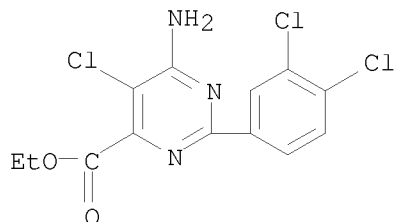


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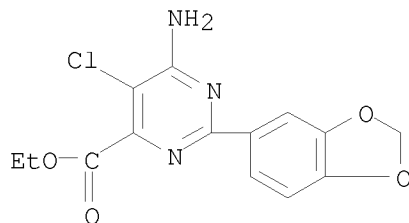
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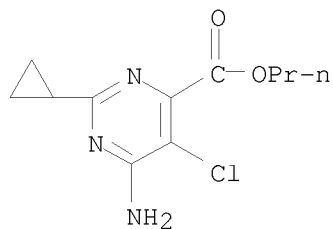
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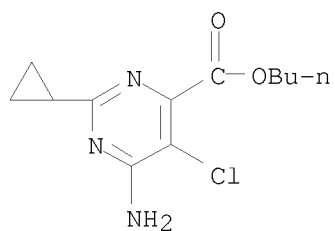
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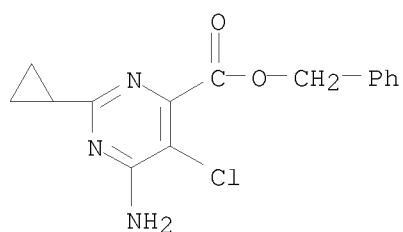


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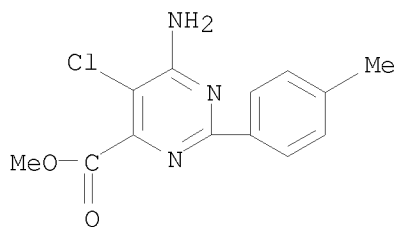
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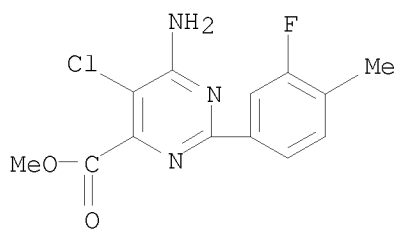
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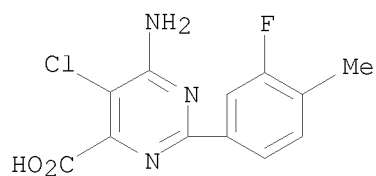
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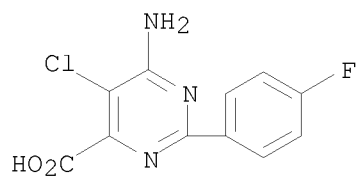
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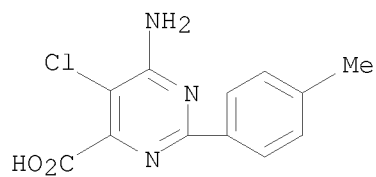
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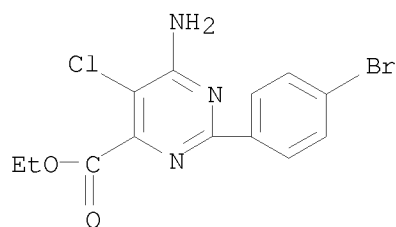
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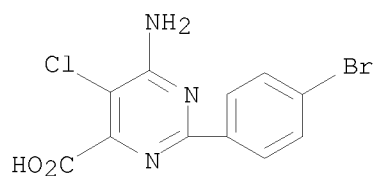
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, ethyl  
ester (CA INDEX NAME)

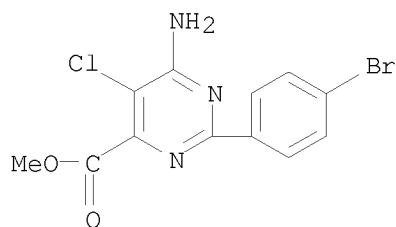


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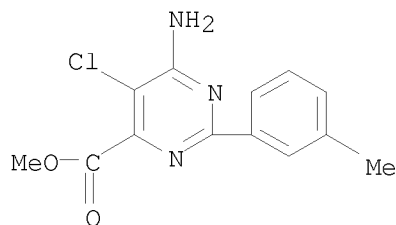
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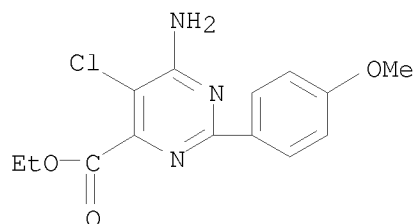
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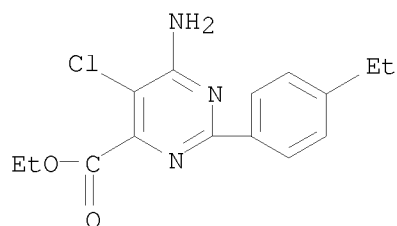
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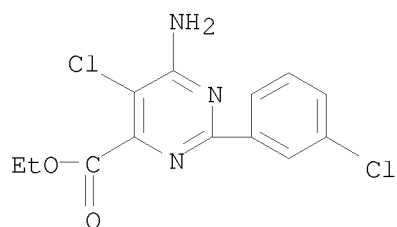


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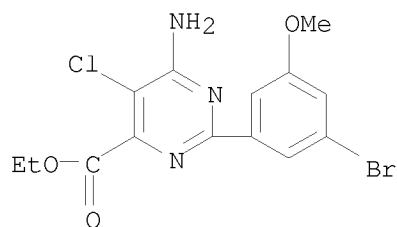
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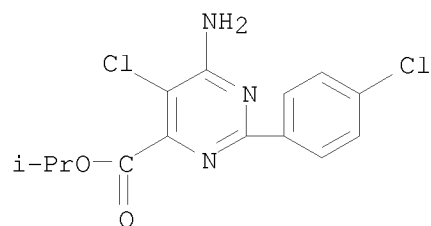
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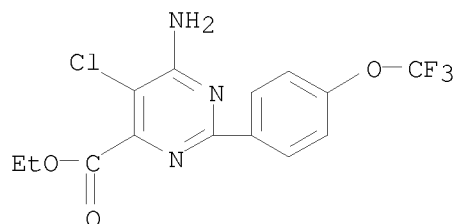


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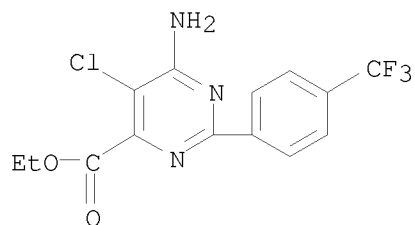
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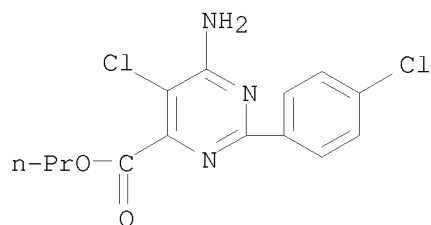
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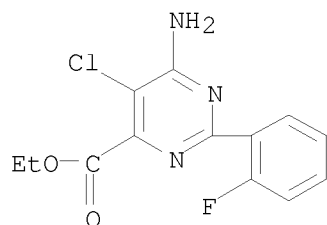
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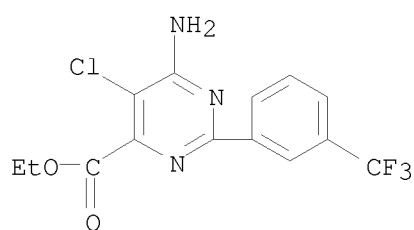
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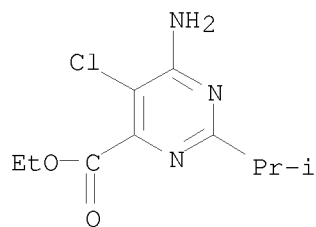
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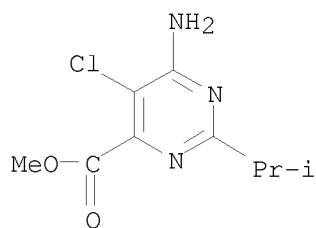
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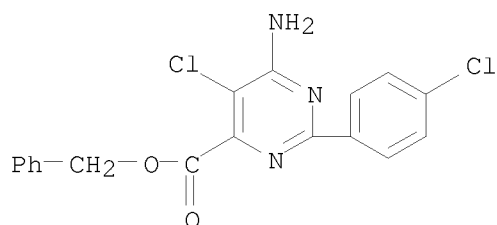


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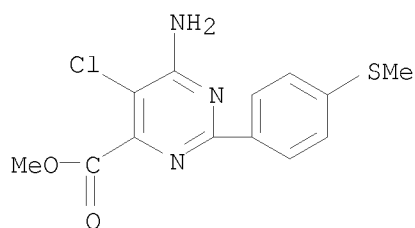
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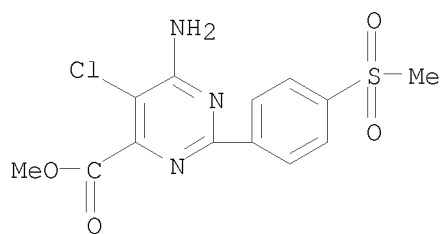
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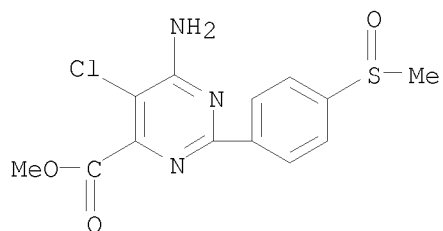
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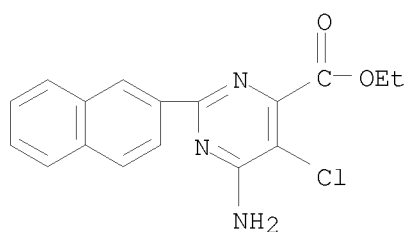
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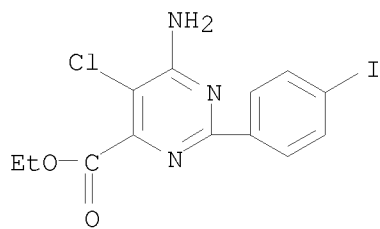
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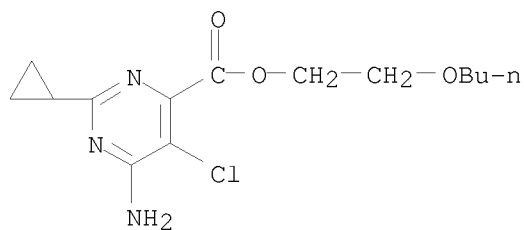
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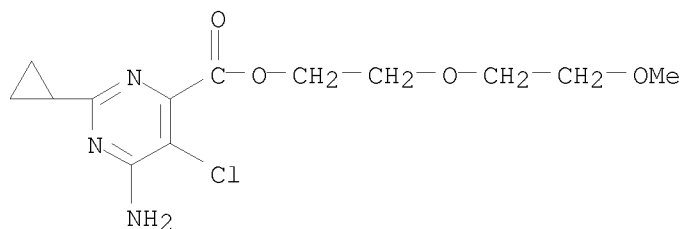
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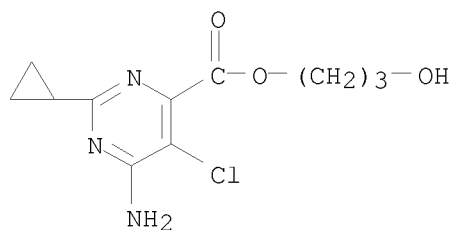


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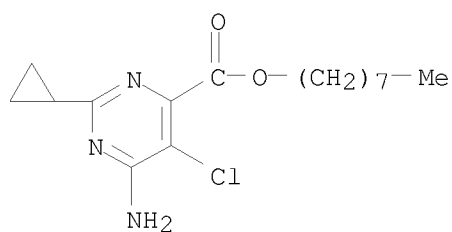
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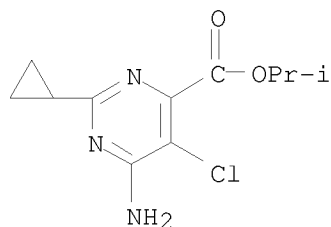
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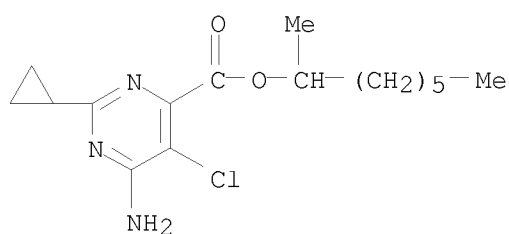
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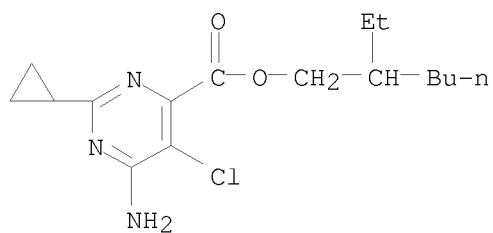
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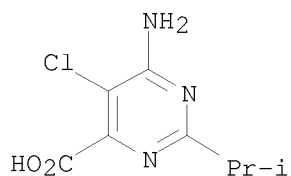
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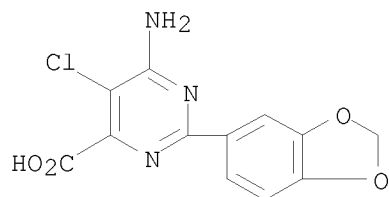
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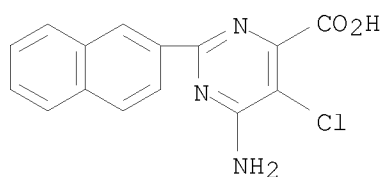


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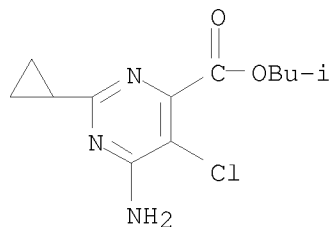
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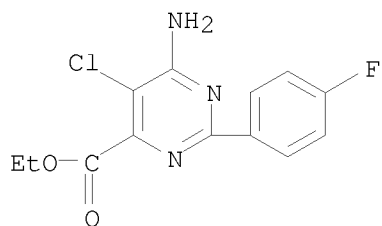
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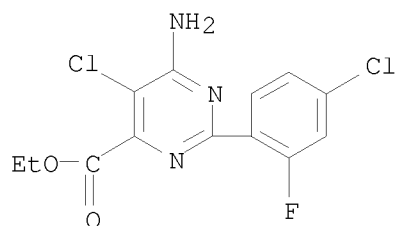
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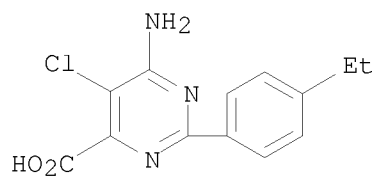


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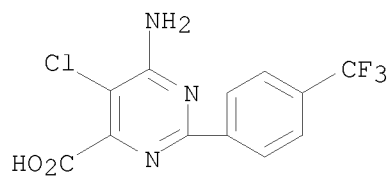
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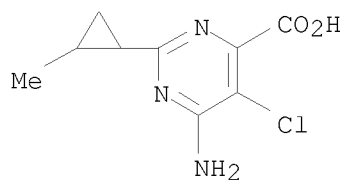
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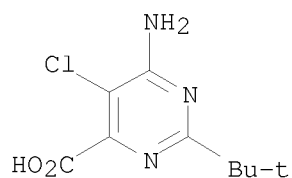
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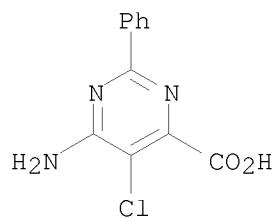


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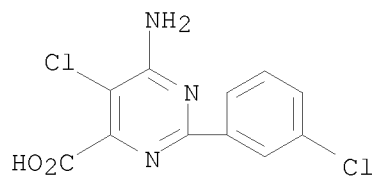
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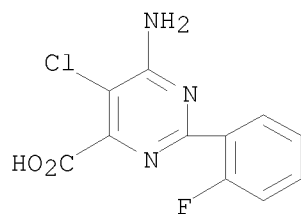
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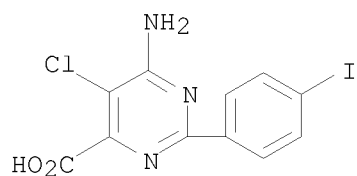
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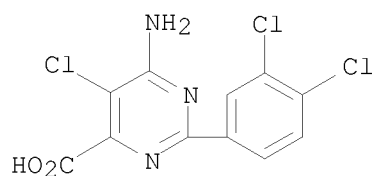
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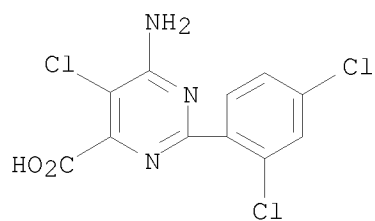
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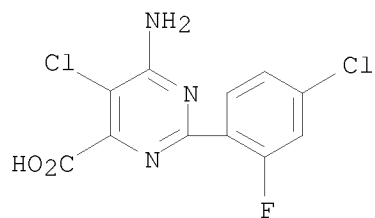
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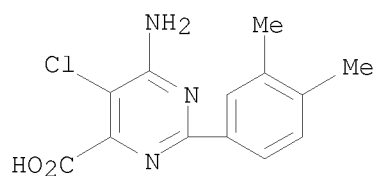
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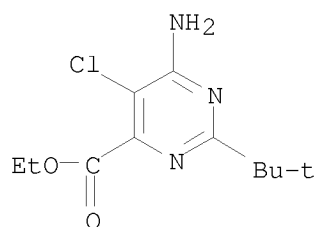


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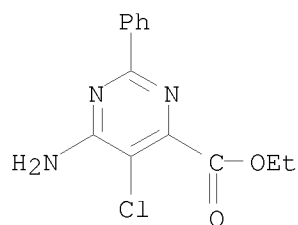
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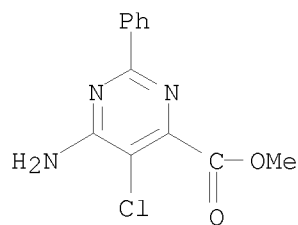
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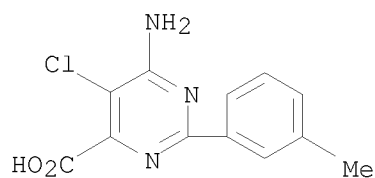
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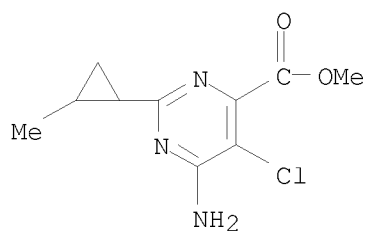
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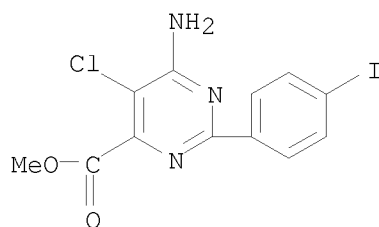
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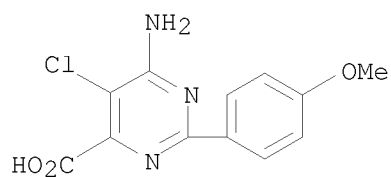
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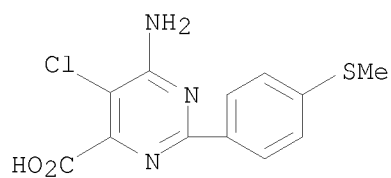
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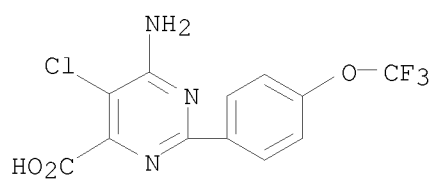
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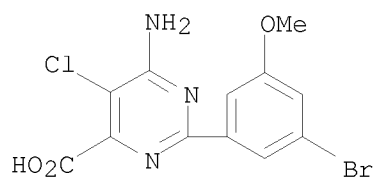
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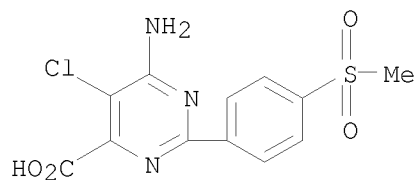
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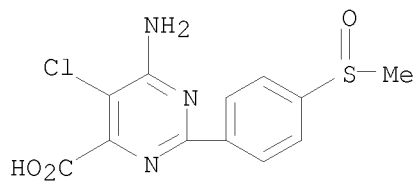
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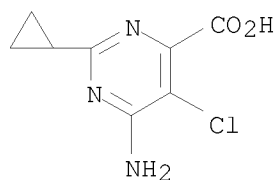
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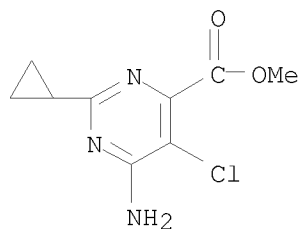
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IT 858956-08-8P, 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn of optionally substituted dihydrooxypyrimidinecarboxylic acids from oxalacetate salts and carboximidamides)  
 RN 858956-08-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)



IT 858954-83-3P, Methyl 6-Amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn of optionally substituted dihydrooxypyrimidinecarboxylic acids from oxalacetate salts and carboximidamides)  
 RN 858954-83-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester (CA INDEX NAME)



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:612265 CAPLUS  
 DN 143:133387  
 TI Preparation of herbicidal pyrimidines  
 IN Clark, David Alan; Finkelstein, Bruce Lawrence; Armel, Gregory Russell;  
 Wittenbach, Vernon Arie  
 PA E. I. Dupont de Nemours and Company, USA  
 SO PCT Int. Appl., 151 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
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Applicant's

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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AU 2004309325	A1	20050714	AU 2004-309325	20041216
CA 2548058	A1	20050714	CA 2004-2548058	20041216
EP 1694651	A1	20060830	EP 2004-814481	20041216
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MX 2006007033	A	20060831	MX 2006-7033	20060619
PRAI US 2003-531300P	P	20031219		
US 2004-598397P	P	20040803		
WO 2004-US42302	W	20041216		

OS CASREACT 143:133387; MARPAT 143:133387

AB The title compds. I [R1 = (un)substituted cyclopropyl, iso-Pr, or Ph; R2 = ((O)jC(R15)(R16))kR; R = CO<sub>2</sub>H or a herbicidally effective derivative of CO<sub>2</sub>H; R3 = halo, CN, NO<sub>2</sub>, OR<sub>20</sub>, SR<sub>21</sub> or N(R<sub>22</sub>)R<sub>23</sub>; R4 = N(R<sub>24</sub>)R<sub>25</sub> or NO<sub>2</sub>; j = 0-1; k = 0-1; provided that when k = 0, then j = 0; R15, R16 = H, halo, alkyl, etc.; R20, R21 = H, alkyl, haloalkyl; R22, R23 = H, alkyl; R24 = H, alkyl, alkenyl, etc.; R25 = H, alkyl, C(O)R<sub>33</sub>; R33 = H, alkyl, haloalkyl, etc.; or R24 and R25 are taken together as a radical selected from (CH<sub>2</sub>)<sub>4</sub>, (CH<sub>2</sub>)<sub>5</sub>, etc.] which are useful for controlling undesired vegetation, were prepared E.g., a multi-step synthesis of Et 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (II) and Me 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (III), starting from Et 4,4-diethoxy-3-oxobutanoate and cyclopropanecarboximidamide monohydrochloride, was given. The compound II showed complete control against Pigweed at 500g ai/ha in postemergence test. Also disclosed are

compsns. comprising the compds. I and a method for controlling undesired vegetation which involves contacting the vegetation or its environment with an effective amount of a compound I. Also disclosed are compsns. comprising a compound I and at least one addnl. active ingredient selected from the group consisting of an other herbicide and a herbicide safener.

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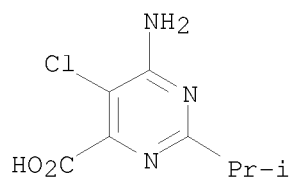
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RL: PRPH (Prophetic)

(Preparation of herbicidal pyrimidines)

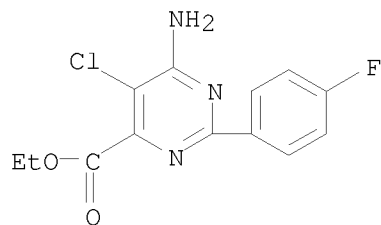
RN 859032-08-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylethyl)- (CA INDEX NAME)



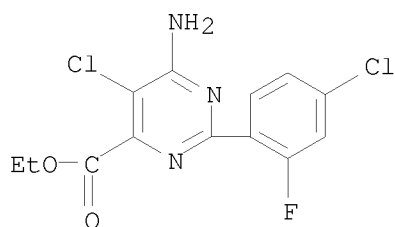
RN 1042145-26-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-fluorophenyl)-, ethyl ester (CA INDEX NAME)



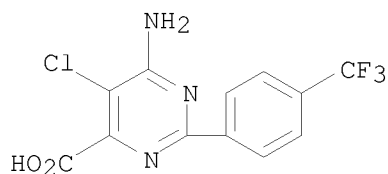
RN 1042145-27-6 CAPLUS

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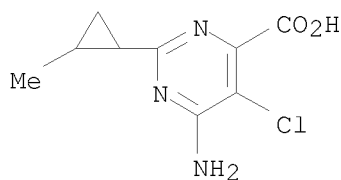
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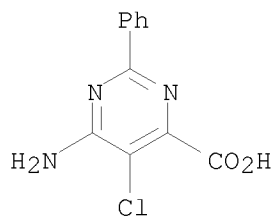
RN 1042145-65-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methylcyclopropyl)- (CA INDEX NAME)



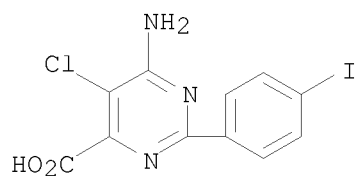
RN 1042145-70-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-phenyl- (CA INDEX NAME)



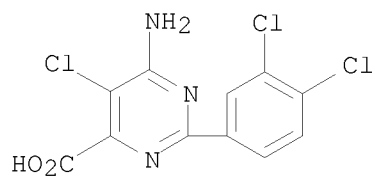
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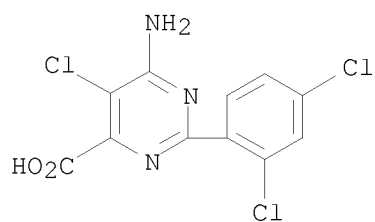
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3,4-dichlorophenyl)- (CA INDEX NAME)



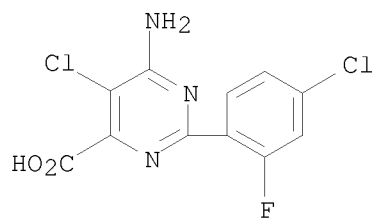
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RN 1042145-82-3 CAPLUS

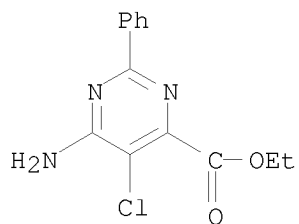
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RN 1042145-86-7 CAPLUS

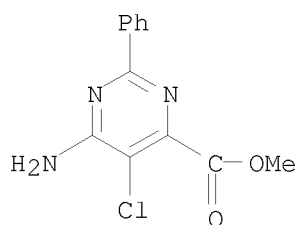
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-phenyl-, ethyl ester (CA

INDEX NAME)



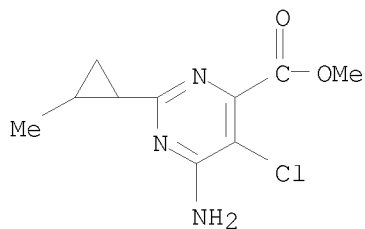
RN 1042145-87-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-phenyl-, methyl ester (CA INDEX NAME)



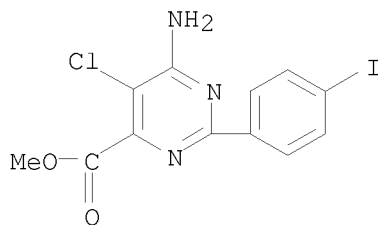
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methylcyclopropyl)-, methyl ester (CA INDEX NAME)

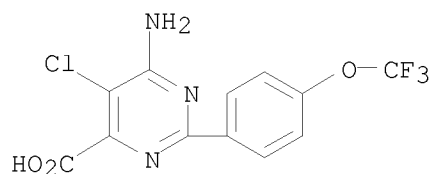


RN 1042145-94-7 CAPLUS

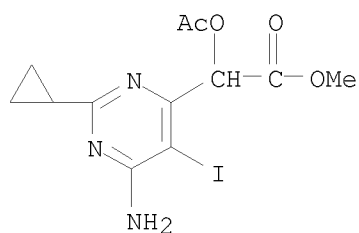
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-iodophenyl)-, methyl ester (CA INDEX NAME)



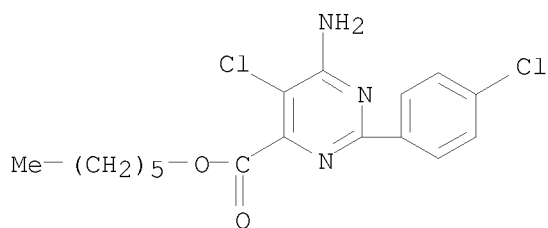
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



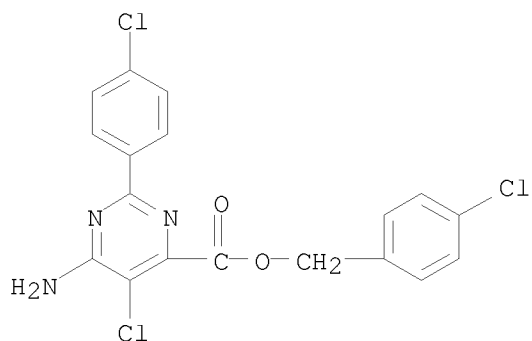
RN 1045226-79-6 CAPLUS  
 CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-2-cyclopropyl-5-iodo-, methyl ester (CA INDEX NAME)



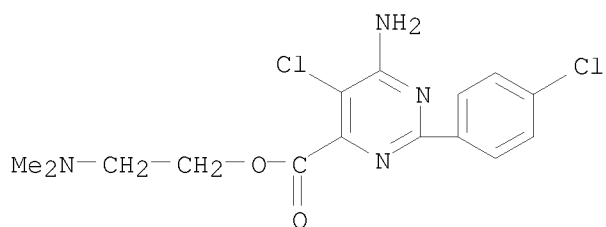
RN 1045226-91-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, hexyl ester (CA INDEX NAME)



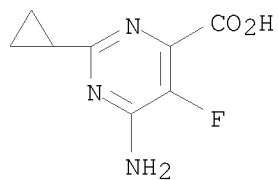
RN 1045226-93-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, (4-chlorophenyl)methyl ester (CA INDEX NAME)



RN 1045226-95-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 2-(dimethylamino)ethyl ester (CA INDEX NAME)

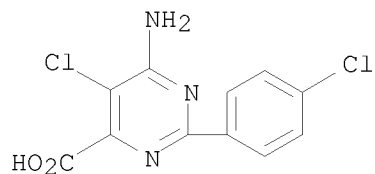


RN 1045227-02-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, potassium  
 salt (1:1) (CA INDEX NAME)



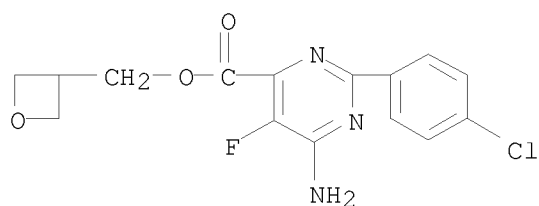
● K

RN 1045227-12-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 potassium salt (1:1) (CA INDEX NAME)

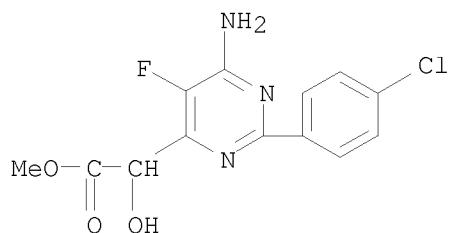


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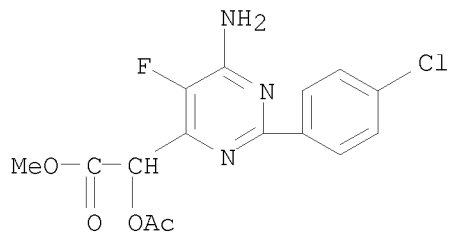
RN 1045227-15-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 3-oxetanylmethyl ester (CA INDEX NAME)



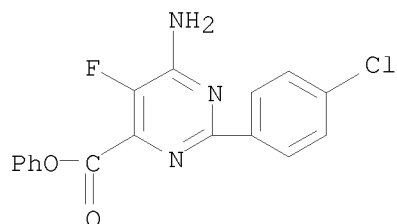
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 CN 4-Pyrimidineacetic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro- $\alpha$ -  
 hydroxy-, methyl ester (CA INDEX NAME)



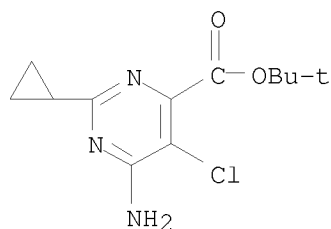
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 CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-2-(4-chlorophenyl)-5-  
 fluoro-, methyl ester (CA INDEX NAME)



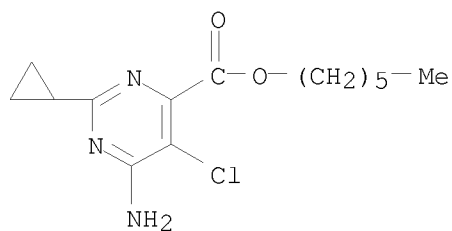
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, phenyl ester (CA INDEX NAME)



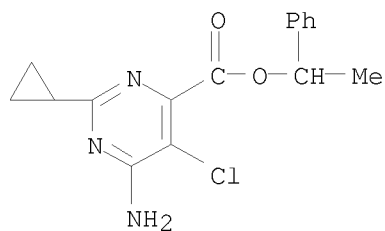
RN 1045227-32-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 1,1-dimethylethyl ester (CA INDEX NAME)



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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, hexyl ester (CA INDEX NAME)

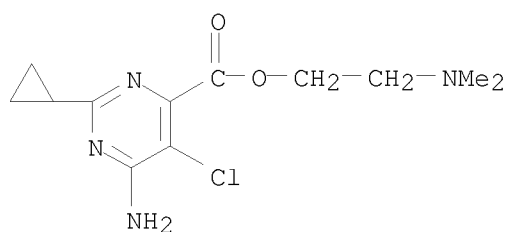


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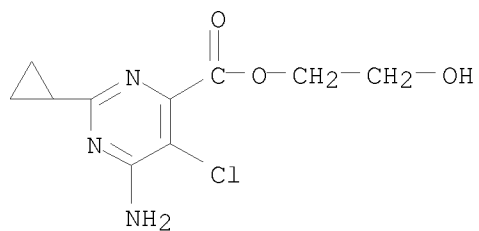
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
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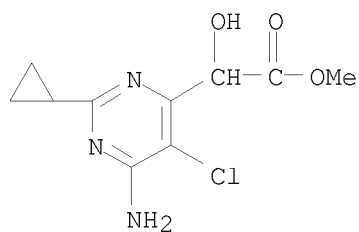
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2-hydroxyethyl ester (CA INDEX NAME)



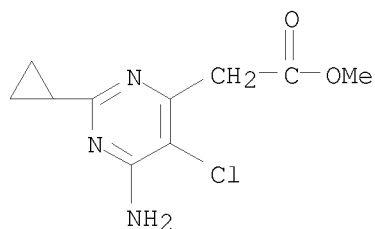
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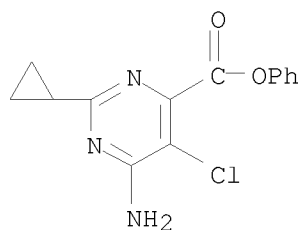
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CN 4-Pyrimidineacetic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester  
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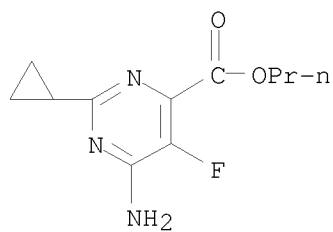
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, phenyl ester  
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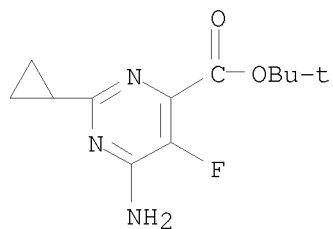
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, propyl ester  
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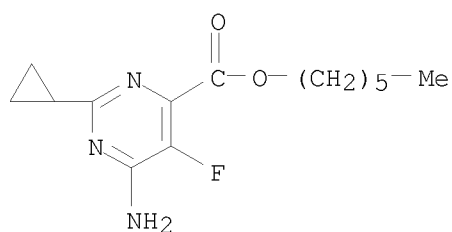


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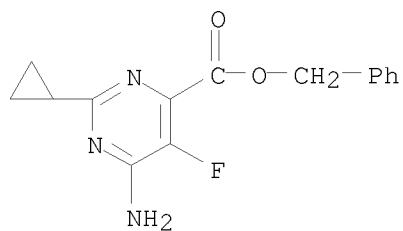
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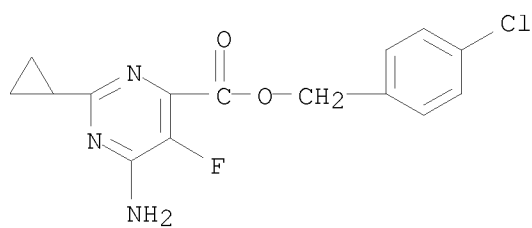
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RN 1045227-57-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, phenylmethyl  
 ester (CA INDEX NAME)

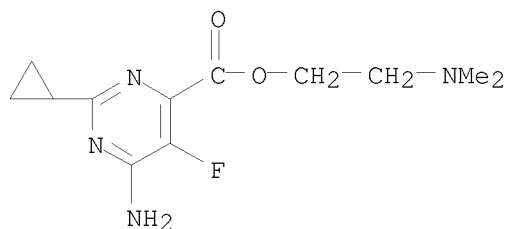


RN 1045227-58-4 CAPLUS  
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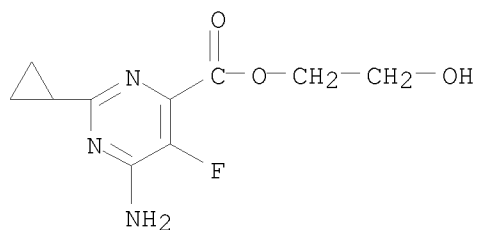


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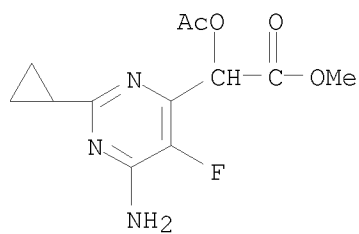
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
2-(dimethylamino)ethyl ester (CA INDEX NAME)



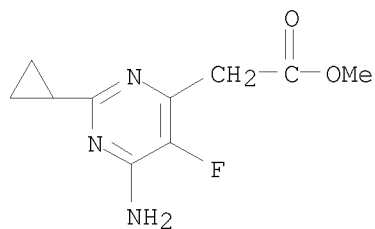
RN 1045227-64-2 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
2-hydroxyethyl ester (CA INDEX NAME)



RN 1045227-66-4 CAPLUS  
CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-2-cyclopropyl-5-  
fluoro-, methyl ester (CA INDEX NAME)

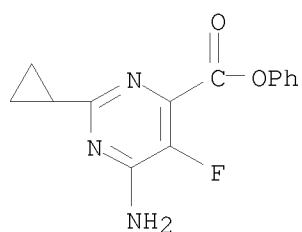


RN 1045227-67-5 CAPLUS  
CN 4-Pyrimidineacetic acid, 6-amino-2-cyclopropyl-5-fluoro-, methyl ester  
(CA INDEX NAME)



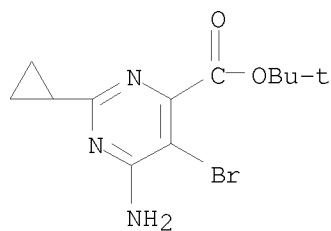
RN 1045227-74-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, phenyl ester  
(CA INDEX NAME)



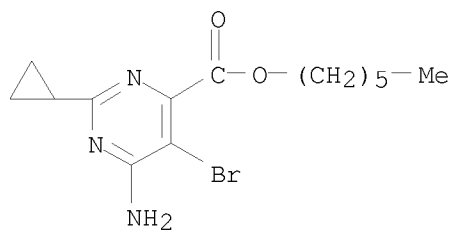
RN 1045227-75-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-,  
1,1-dimethylethyl ester (CA INDEX NAME)



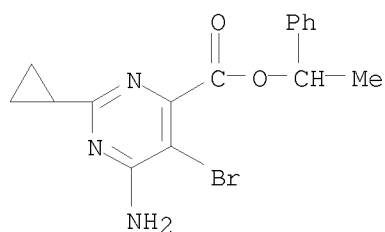
RN 1045227-79-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, hexyl ester  
(CA INDEX NAME)



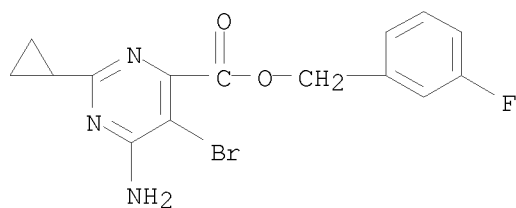
RN 1045227-81-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, 1-phenylethyl ester (CA INDEX NAME)



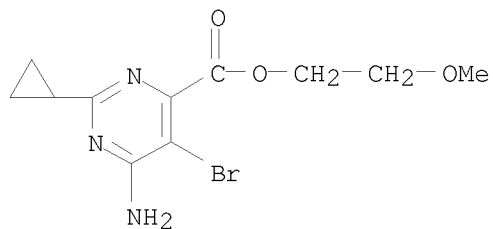
RN 1045227-82-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, (3-fluorophenyl)methyl ester (CA INDEX NAME)



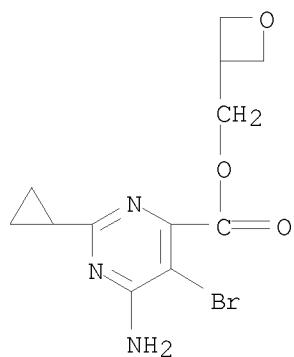
RN 1045227-83-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, 2-methoxyethyl ester (CA INDEX NAME)



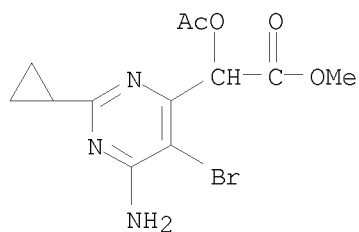
RN 1045227-87-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, 3-oxetanylmethyl ester (CA INDEX NAME)



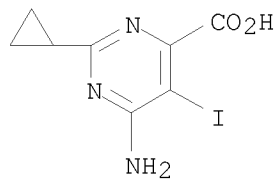
RN 1045227-89-1 CAPLUS

CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-5-bromo-2-cyclopropyl-, methyl ester (CA INDEX NAME)



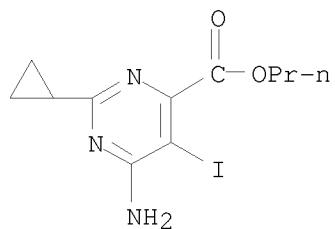
RN 1045227-91-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo- (CA INDEX NAME)



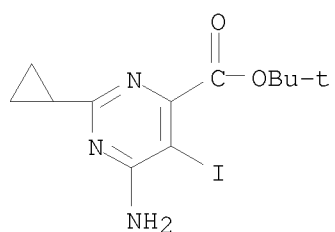
RN 1045227-95-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, propyl ester (CA INDEX NAME)



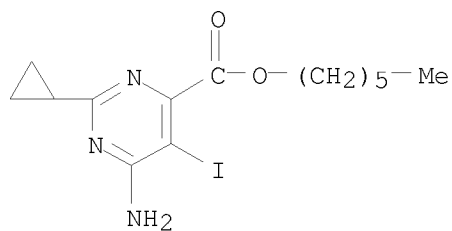
RN 1045227-97-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-,  
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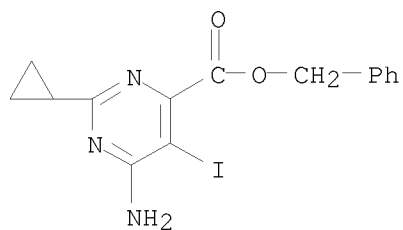
RN 1045227-98-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, hexyl ester  
(CA INDEX NAME)



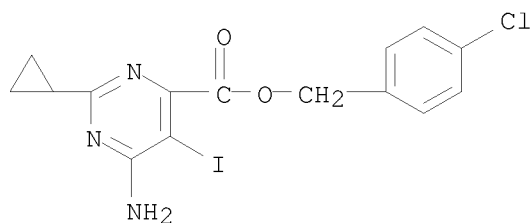
RN 1045227-99-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, phenylmethyl  
ester (CA INDEX NAME)

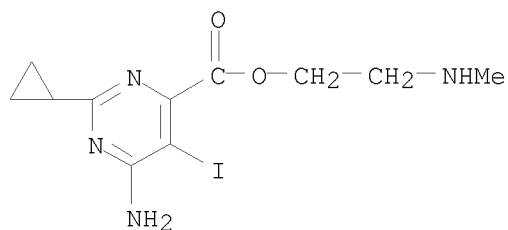


RN 1045228-03-2 CAPLUS

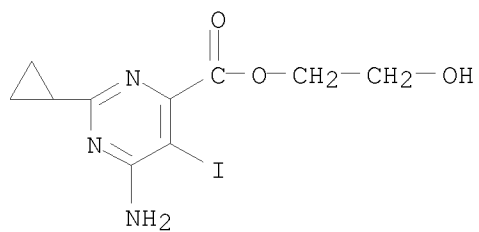
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-,  
(4-chlorophenyl)methyl ester (CA INDEX NAME)



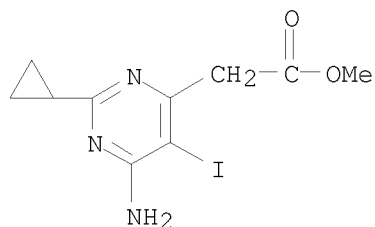
RN 1045228-05-4 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-,  
2-(methylamino)ethyl ester (CA INDEX NAME)



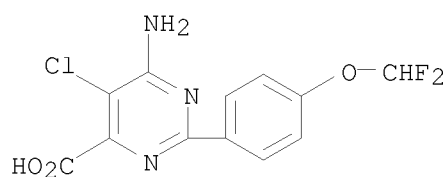
RN 1045228-06-5 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, 2-hydroxyethyl  
ester (CA INDEX NAME)



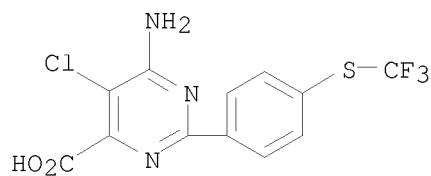
RN 1045228-11-2 CAPLUS  
CN 4-Pyrimidineacetic acid, 6-amino-2-cyclopropyl-5-iodo-, methyl ester (CA  
INDEX NAME)



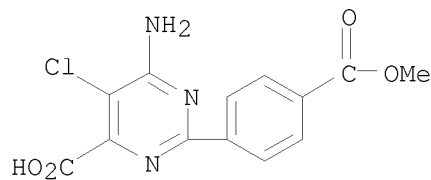
RN 1045228-13-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(difluoromethoxy)phenyl]- (CA INDEX NAME)



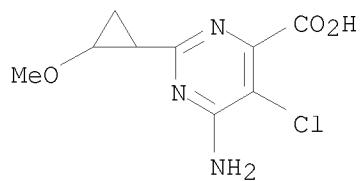
RN 1045228-14-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[(trifluoromethyl)thio]phenyl]- (CA INDEX NAME)



RN 1045228-15-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(methoxycarbonyl)phenyl]- (CA INDEX NAME)

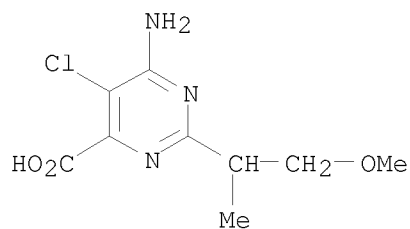


RN 1045228-20-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxycyclopropyl)- (CA INDEX NAME)



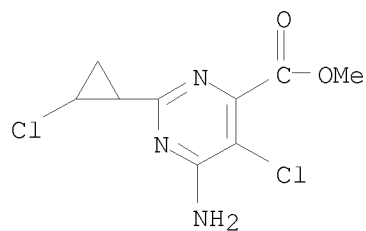
RN 1045228-21-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxy-1-methylethyl)-  
(CA INDEX NAME)



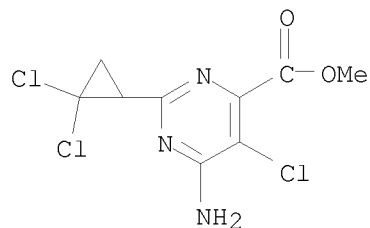
RN 1045228-23-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-chlorocyclopropyl)-,  
methyl ester (CA INDEX NAME)



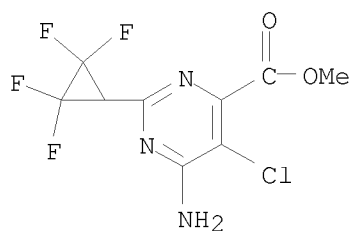
RN 1045228-26-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,2-dichlorocyclopropyl)-,  
methyl ester (CA INDEX NAME)

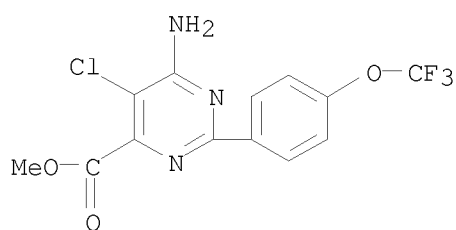


RN 1045228-28-1 CAPLUS

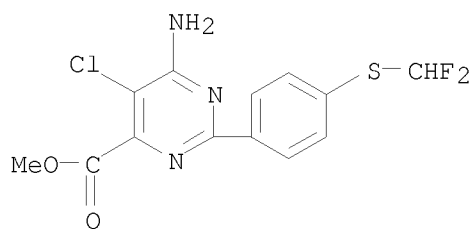
CN INDEX NAME NOT YET ASSIGNED



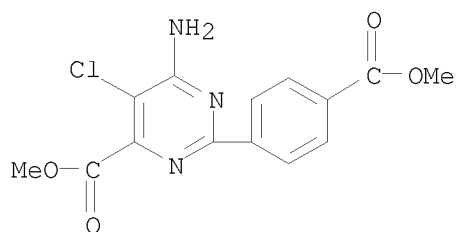
RN 1045228-32-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(trifluoromethoxy)phenyl]-, methyl ester (CA INDEX NAME)



RN 1045228-33-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[(difluoromethyl)thio]phenyl]-, methyl ester (CA INDEX NAME)

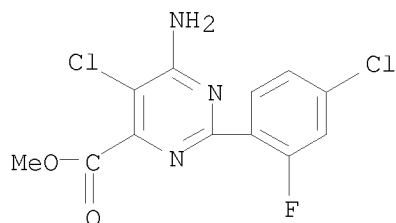


RN 1045228-34-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(methoxycarbonyl)phenyl]-, methyl ester (CA INDEX NAME)



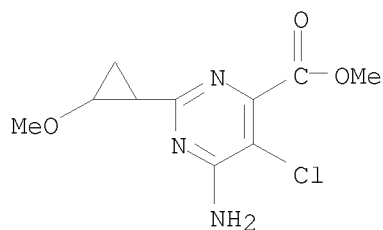
RN 1045228-36-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chloro-2-fluorophenyl)-, methyl ester (CA INDEX NAME)



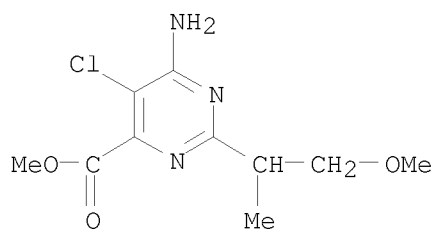
RN 1045228-40-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxycyclopropyl)-, methyl ester (CA INDEX NAME)



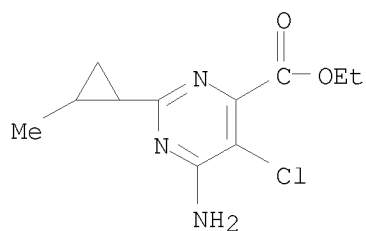
RN 1045228-41-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxy-1-methylethyl)-, methyl ester (CA INDEX NAME)



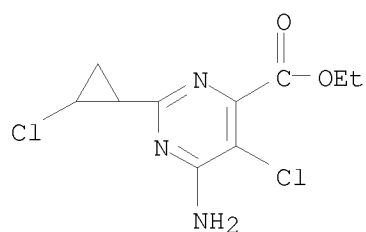
RN 1045228-42-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methylcyclopropyl)-, ethyl ester (CA INDEX NAME)



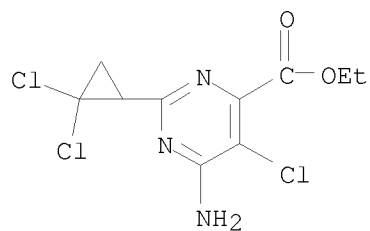
RN 1045228-44-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-chlorocyclopropyl)-, ethyl ester (CA INDEX NAME)



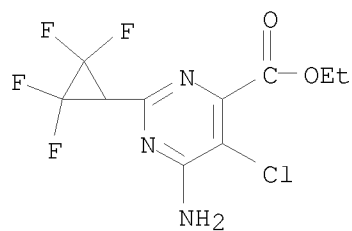
RN 1045228-48-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,2-dichlorocyclopropyl)-, ethyl ester (CA INDEX NAME)



RN 1045228-49-6 CAPLUS

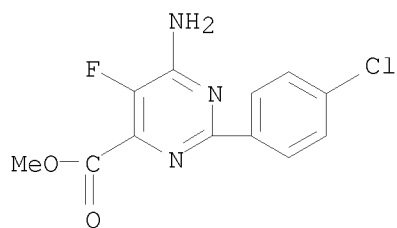
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RN 1045228-51-0 CAPLUS

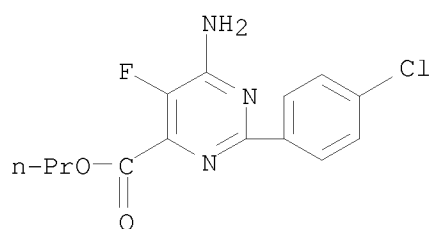
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, methyl

ester (CA INDEX NAME)



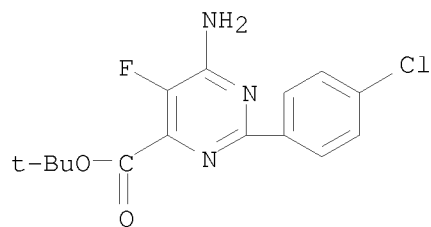
RN 1045228-55-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, propyl ester (CA INDEX NAME)



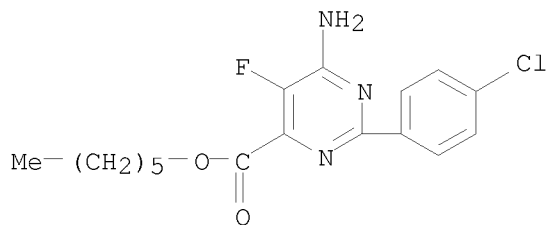
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, 1,1-dimethylethyl ester (CA INDEX NAME)

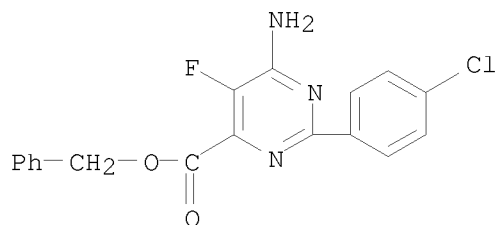


RN 1045228-57-6 CAPLUS

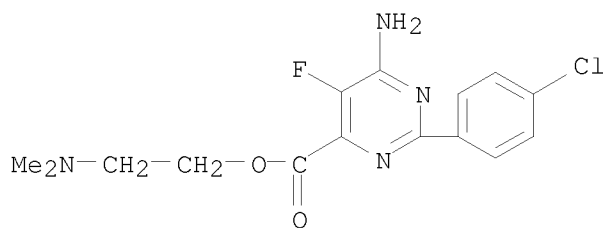
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, hexyl ester (CA INDEX NAME)



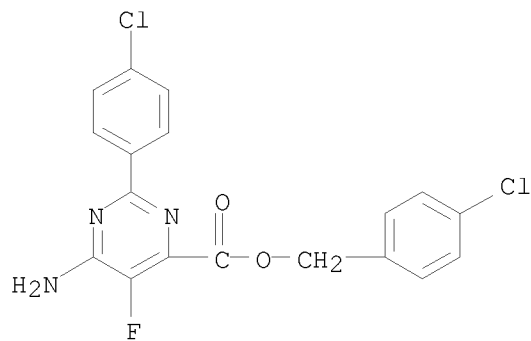
RN 1045228-59-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 phenylmethyl ester (CA INDEX NAME)



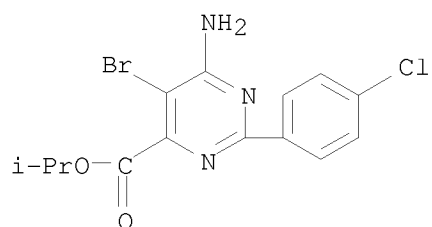
RN 1045228-63-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 2-(dimethylamino)ethyl ester (CA INDEX NAME)



RN 1045228-64-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 (4-chlorophenyl)methyl ester (CA INDEX NAME)

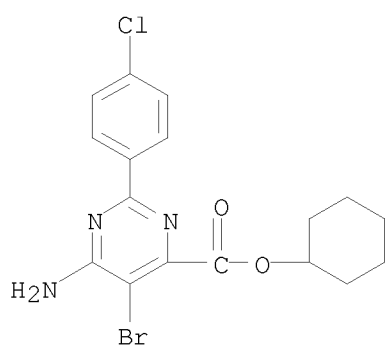


RN 1045228-70-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
 1-methylethyl ester (CA INDEX NAME)



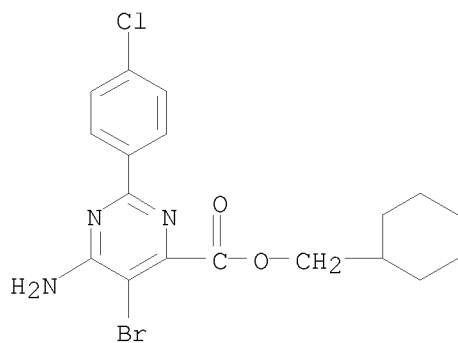
RN 1045228-71-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, cyclohexyl ester (CA INDEX NAME)



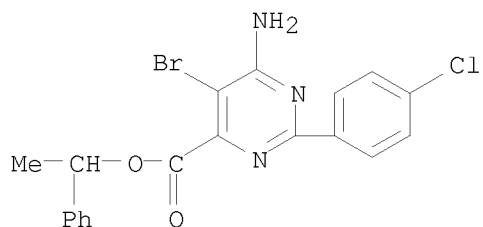
RN 1045228-72-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, cyclohexylmethyl ester (CA INDEX NAME)



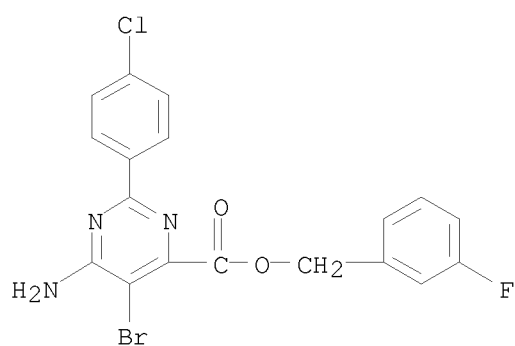
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, 1-phenylethyl ester (CA INDEX NAME)



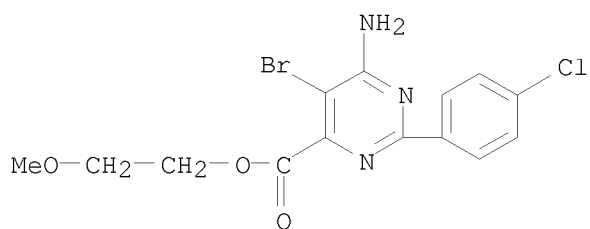
RN 1045228-78-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
(3-fluorophenyl)methyl ester (CA INDEX NAME)



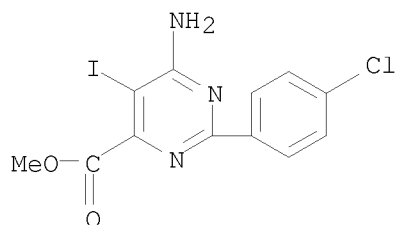
RN 1045228-79-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
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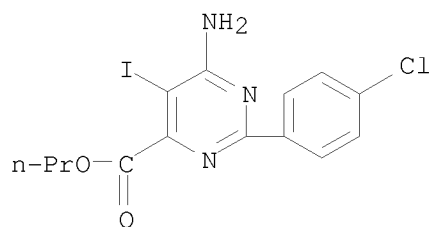


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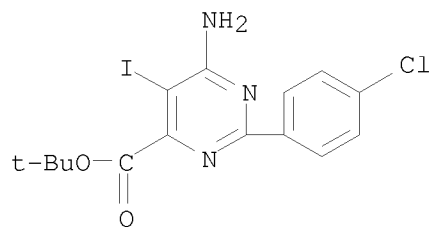
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, methyl  
ester (CA INDEX NAME)



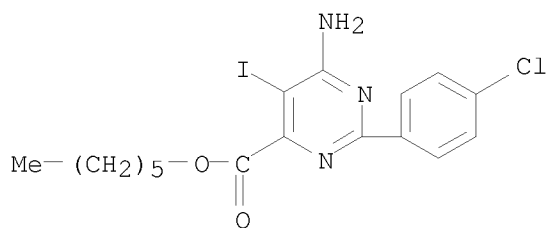
RN 1045228-87-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, propyl ester (CA INDEX NAME)



RN 1045228-88-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, 1,1-dimethylethyl ester (CA INDEX NAME)

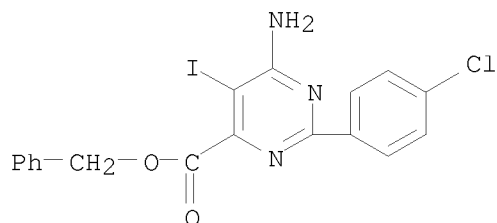


RN 1045228-90-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, hexyl ester (CA INDEX NAME)



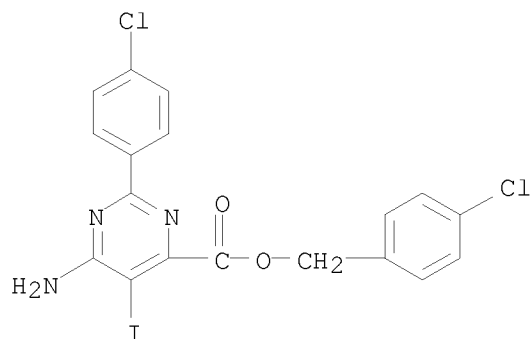
RN 1045228-94-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, phenylmethyl ester (CA INDEX NAME)



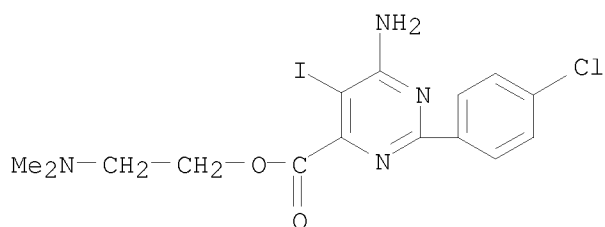
RN 1045228-95-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, (4-chlorophenyl)methyl ester (CA INDEX NAME)



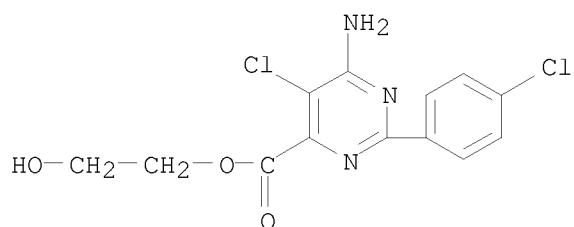
RN 1045228-96-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, 2-(dimethylamino)ethyl ester (CA INDEX NAME)



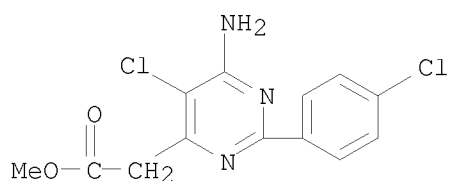
RN 1045228-98-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, 2-hydroxyethyl ester (CA INDEX NAME)



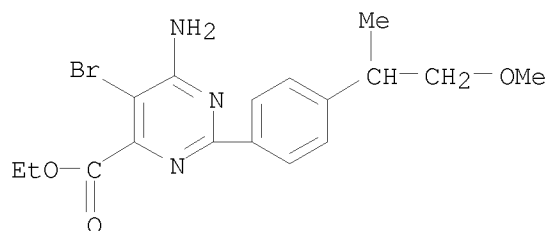
RN 1045229-03-5 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



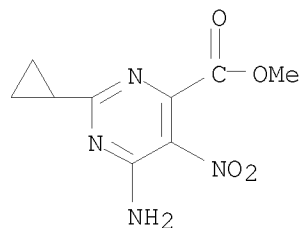
RN 1045229-10-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(2-methoxy-1-methylethyl)phenyl]-, ethyl ester (CA INDEX NAME)



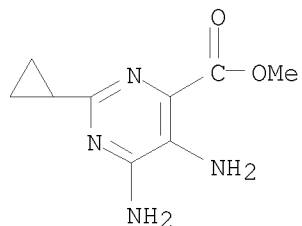
RN 1045229-11-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-nitro-, methyl ester (CA INDEX NAME)



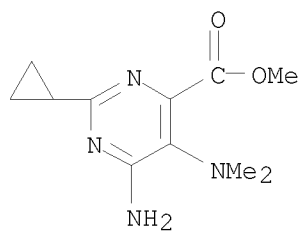
RN 1045229-12-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5,6-diamino-2-cyclopropyl-, methyl ester (CA INDEX NAME)



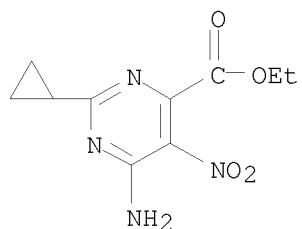
RN 1045229-14-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-(dimethylamino)-, methyl ester (CA INDEX NAME)



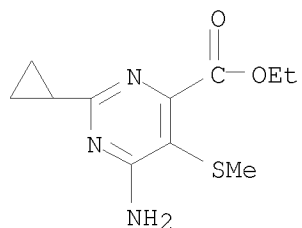
RN 1045229-18-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-nitro-, ethyl ester (CA INDEX NAME)

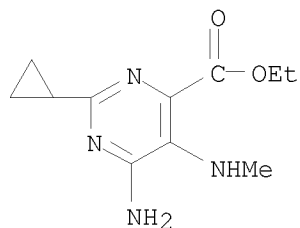


RN 1045229-19-3 CAPLUS

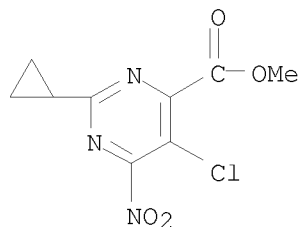
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-(methylthio)-, ethyl ester (CA INDEX NAME)



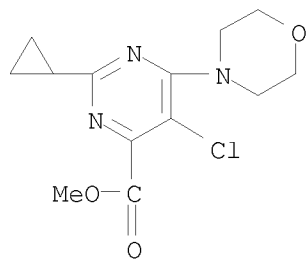
RN 1045229-20-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-(methylamino)-, ethyl ester (CA INDEX NAME)



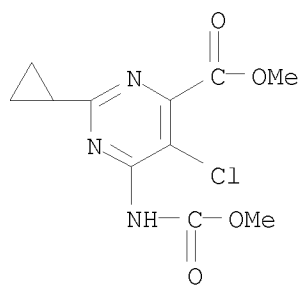
RN 1045229-22-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-nitro-, methyl ester (CA INDEX NAME)



RN 1045229-26-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(4-morpholinyl)-, methyl ester (CA INDEX NAME)

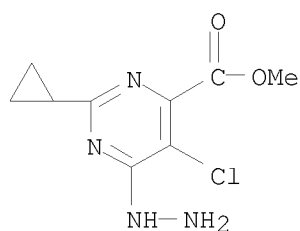


RN 1045229-27-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(methoxycarbonyl)amino]-, methyl ester (CA INDEX NAME)



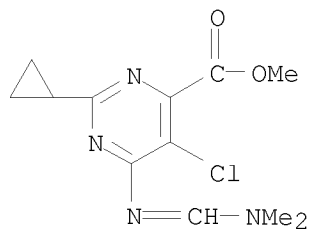
RN 1045229-28-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-hydrazinyl-, methyl ester (CA INDEX NAME)



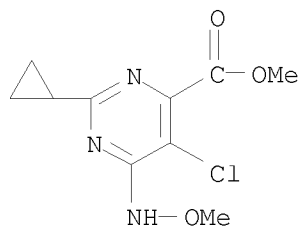
RN 1045229-30-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[[dimethylamino)methylene]amino]-, methyl ester (CA INDEX NAME)



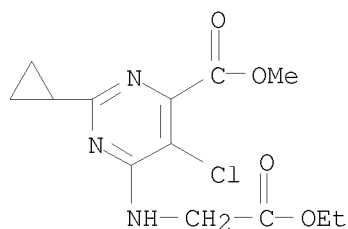
RN 1045229-34-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(methoxyamino)-, methyl ester (CA INDEX NAME)



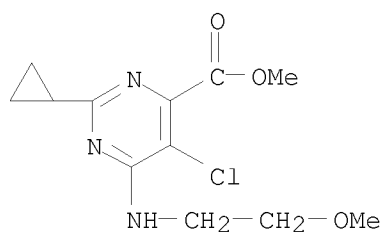
RN 1045229-35-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-ethoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)



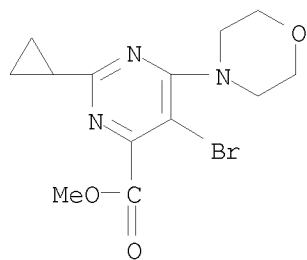
RN 1045229-36-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-methoxyethyl)amino]-, methyl ester (CA INDEX NAME)



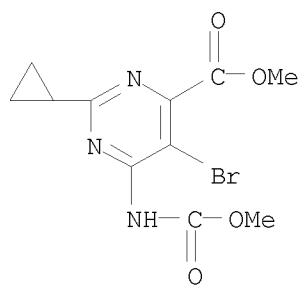
RN 1045229-38-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(4-morpholinyl)-, methyl ester (CA INDEX NAME)

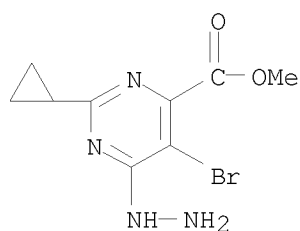


RN 1045229-42-2 CAPLUS

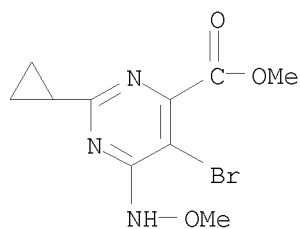
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(methoxycarbonyl)amino]-, methyl ester (CA INDEX NAME)



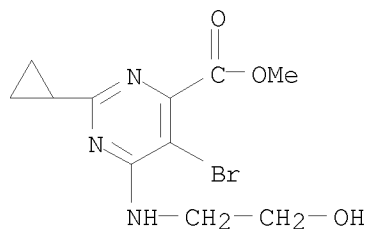
RN 1045229-43-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-hydrazinyl-, methyl ester (CA INDEX NAME)



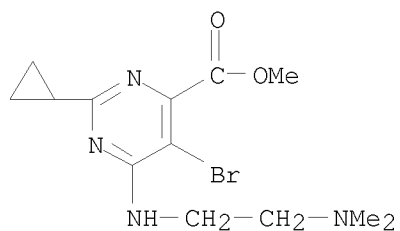
RN 1045229-44-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(methoxyamino)-, methyl ester (CA INDEX NAME)



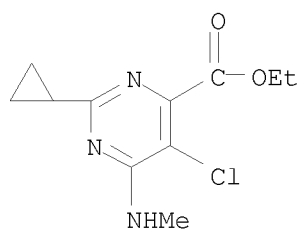
RN 1045229-46-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-hydroxyethyl)amino]-, methyl ester (CA INDEX NAME)



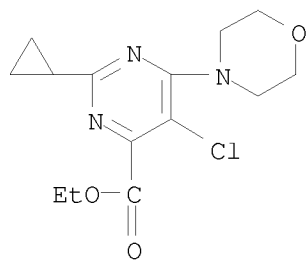
RN 1045229-50-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[[2-(dimethylamino)ethyl]amino]-, methyl ester (CA INDEX NAME)



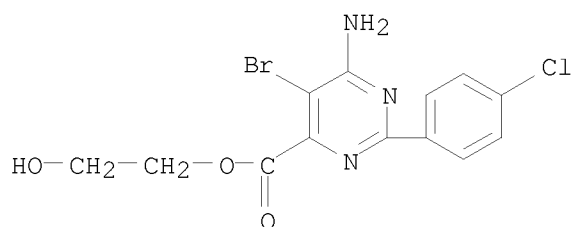
RN 1045229-51-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(methylamino)-, ethyl ester (CA INDEX NAME)



RN 1045229-52-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(4-morpholinyl)-, ethyl ester (CA INDEX NAME)

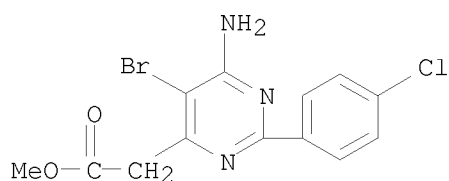


RN 1045229-57-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, 2-hydroxyethyl ester (CA INDEX NAME)



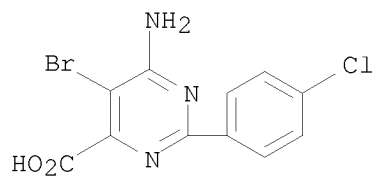
RN 1045229-60-4 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, methyl ester  
(CA INDEX NAME)



RN 1045229-74-0 CAPLUS

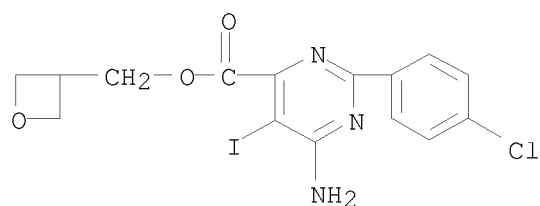
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
potassium salt (1:1) (CA INDEX NAME)



● K

RN 1045229-77-3 CAPLUS

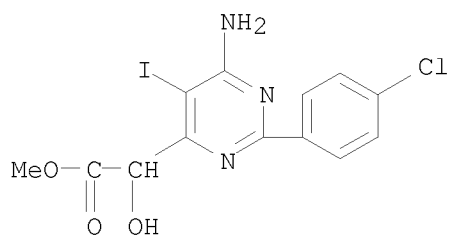
CN 4-(6-amino-2-(4-chlorophenyl)-5-iodo-3-oxetanylmethyl ester (CA INDEX NAME)



RN 1045229-79-5 CAPLUS

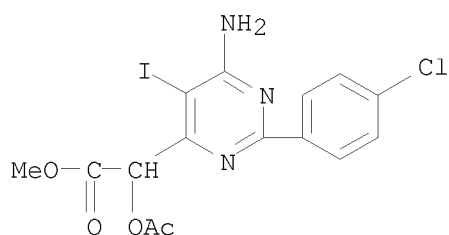
CN 4-(6-amino-2-(4-chlorophenyl)-α-hydroxy-5-iodo-

, methyl ester (CA INDEX NAME)



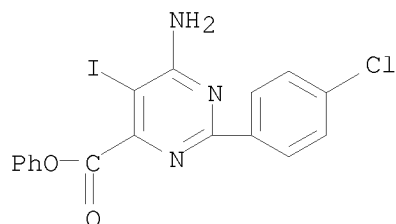
RN 1045229-82-0 CAPLUS

CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-2-(4-chlorophenyl)-5-iodo-, methyl ester (CA INDEX NAME)



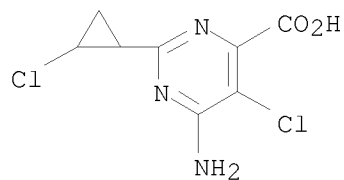
RN 1045229-87-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, phenyl ester (CA INDEX NAME)



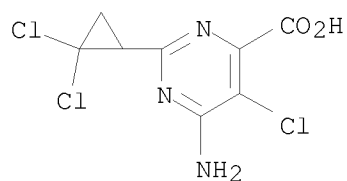
RN 1045229-96-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-chlorocyclopropyl)- (CA INDEX NAME)

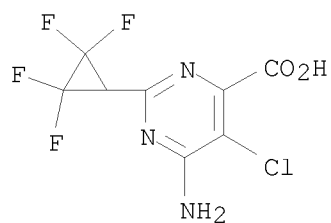


RN 1045229-97-7 CAPLUS

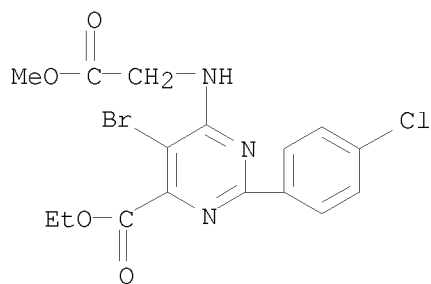
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,2-dichlorocyclopropyl)-  
(CA INDEX NAME)



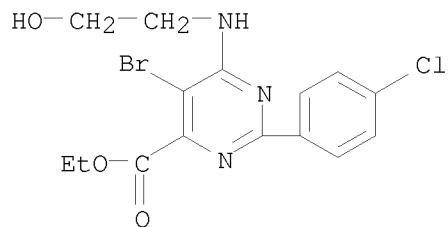
RN 1045229-98-8 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1045230-03-2 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(2-methoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)

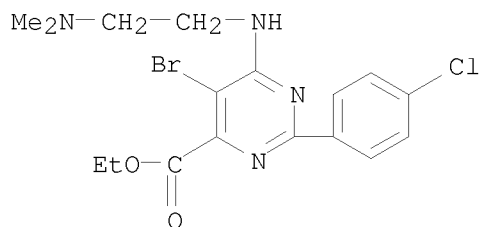


RN 1045230-04-3 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(2-hydroxyethyl)amino]-, ethyl ester (CA INDEX NAME)



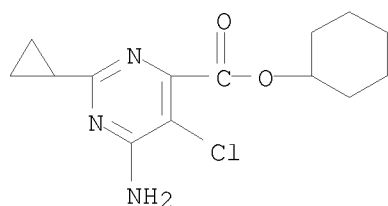
RN 1045230-06-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[[2-(dimethylamino)ethyl]amino]-, ethyl ester (CA INDEX NAME)



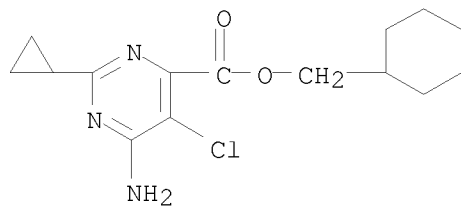
RN 1045230-07-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, cyclohexyl ester (CA INDEX NAME)



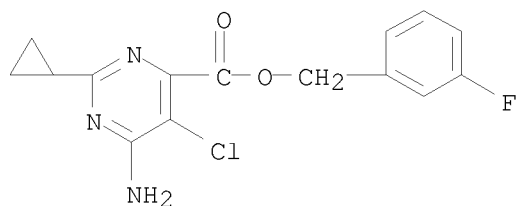
RN 1045230-11-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, cyclohexylmethyl ester (CA INDEX NAME)

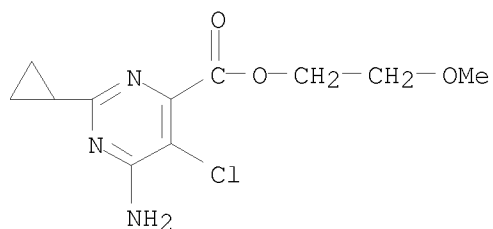


RN 1045230-12-3 CAPLUS

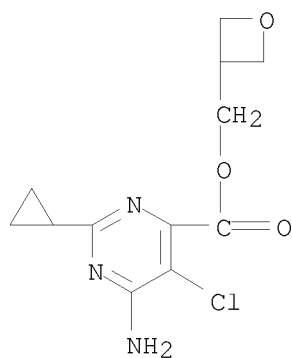
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, (3-fluorophenyl)methyl ester (CA INDEX NAME)



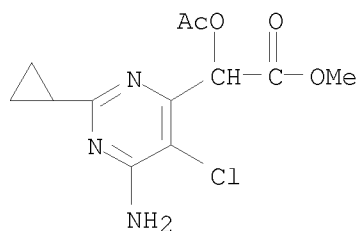
RN 1045230-14-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
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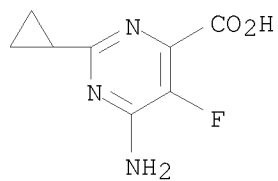
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 3-oxetanylmethyl ester (CA INDEX NAME)



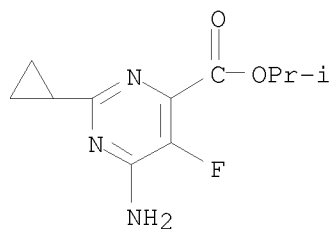
RN 1045230-20-3 CAPLUS  
 CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-5-chloro-2-  
 cyclopropyl-, methyl ester (CA INDEX NAME)



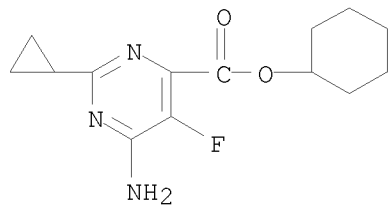
RN 1045230-27-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro- (CA INDEX  
 NAME)



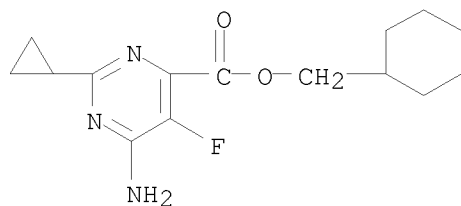
RN 1045230-28-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 1-methylethyl ester (CA INDEX NAME)



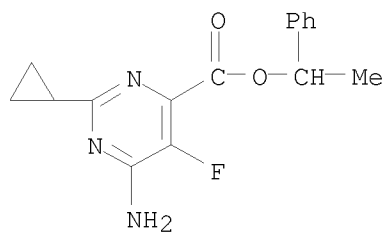
RN 1045230-30-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, cyclohexyl  
 ester (CA INDEX NAME)



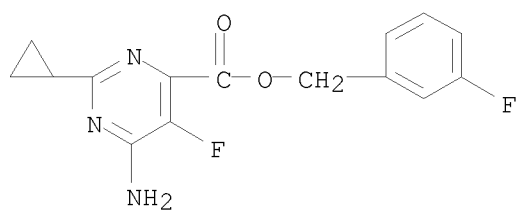
RN 1045230-31-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 cyclohexylmethyl ester (CA INDEX NAME)



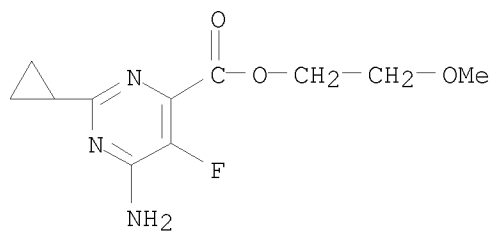
RN 1045230-35-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 1-phenylethyl ester (CA INDEX NAME)



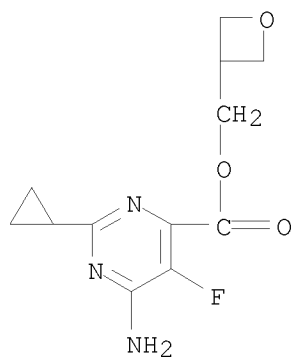
RN 1045230-36-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 (3-fluorophenyl)methyl ester (CA INDEX NAME)



RN 1045230-38-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 2-methoxyethyl ester (CA INDEX NAME)

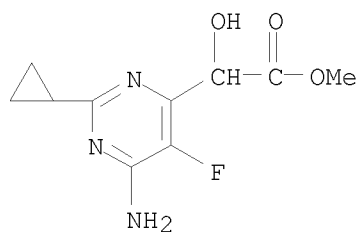


RN 1045230-39-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-,  
 3-oxetanylmethyl ester (CA INDEX NAME)



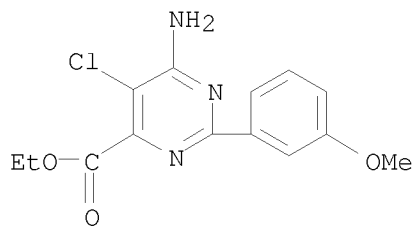
RN 1045230-45-2 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-2-cyclopropyl-5-fluoro- $\alpha$ -hydroxy-, methyl ester (CA INDEX NAME)



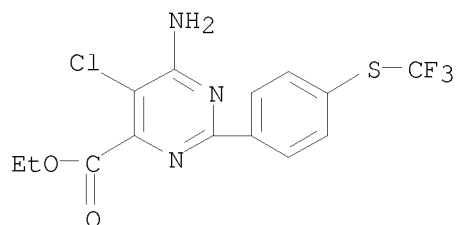
RN 1045230-47-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-methoxyphenyl)-, ethyl ester (CA INDEX NAME)

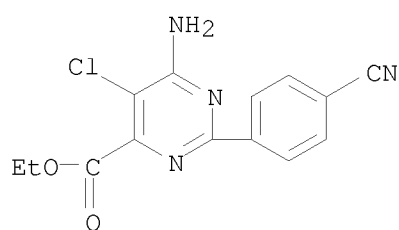


RN 1045230-51-0 CAPLUS

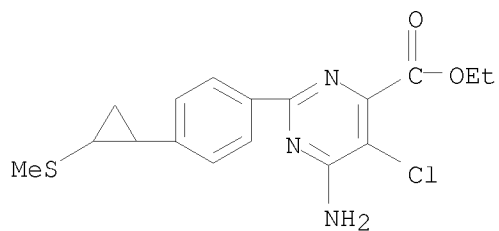
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[(trifluoromethyl)thio]phenyl]-, ethyl ester (CA INDEX NAME)



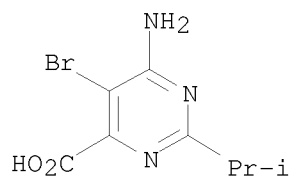
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-cyanophenyl)-, ethyl ester (CA INDEX NAME)



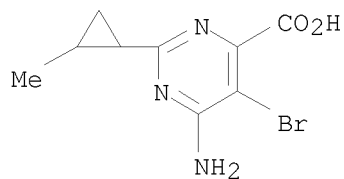
RN 1045230-54-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[2-(methylthio)cyclopropyl]phenyl]-, ethyl ester (CA INDEX NAME)



RN 1045230-58-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1-methylethyl)- (CA INDEX NAME)

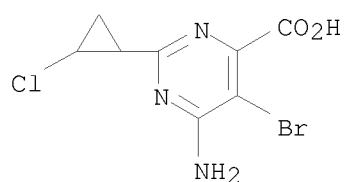


RN 1045230-59-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methylcyclopropyl)- (CA INDEX NAME)



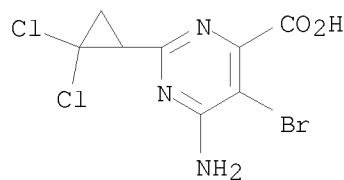
RN 1045230-61-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-chlorocyclopropyl)- (CA INDEX NAME)



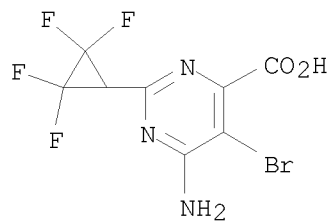
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,2-dichlorocyclopropyl)- (CA INDEX NAME)



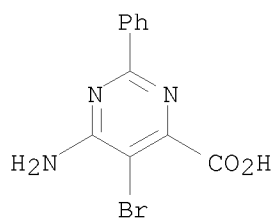
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CN INDEX NAME NOT YET ASSIGNED

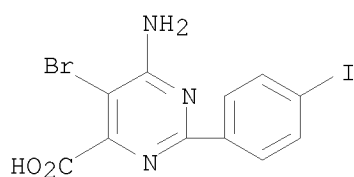


RN 1045230-67-8 CAPLUS

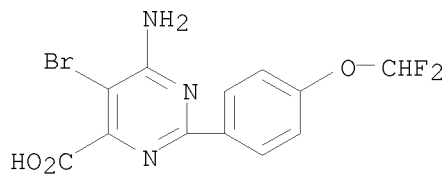
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-phenyl- (CA INDEX NAME)



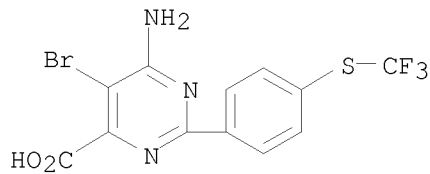
RN 1045230-69-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-iodophenyl)- (CA INDEX NAME)



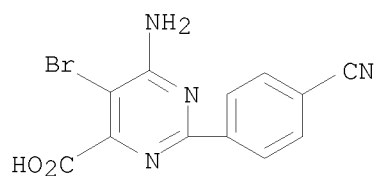
RN 1045230-70-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(difluoromethoxy)phenyl]- (CA INDEX NAME)



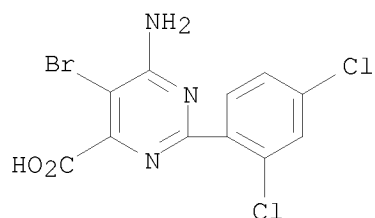
RN 1045230-74-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-[(trifluoromethyl)thio]phenyl]- (CA INDEX NAME)



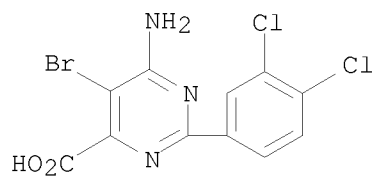
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-cyanophenyl)- (CA INDEX NAME)



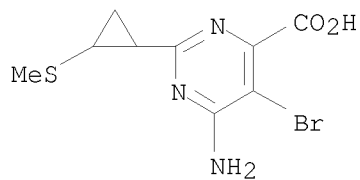
RN 1045230-77-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,4-dichlorophenyl)- (CA INDEX NAME)



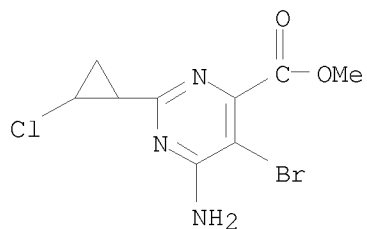
RN 1045230-78-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3,4-dichlorophenyl)- (CA INDEX NAME)



RN 1045230-82-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[2-(methylthio)cyclopropyl]- (CA INDEX NAME)

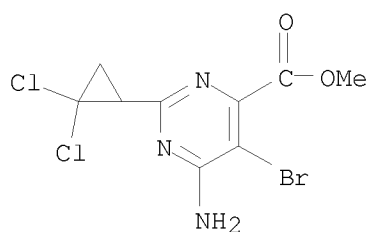


RN 1045230-84-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-chlorocyclopropyl)-, methyl ester (CA INDEX NAME)



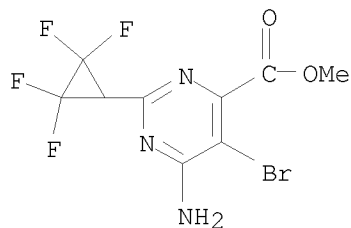
RN 1045230-86-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,2-dichlorocyclopropyl)-, methyl ester (CA INDEX NAME)



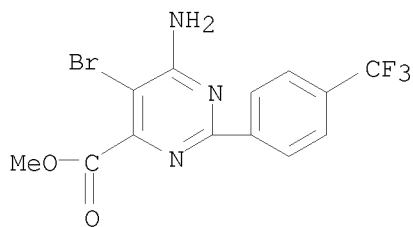
RN 1045230-88-3 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



RN 1045230-91-8 CAPLUS

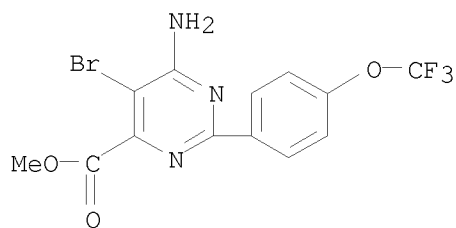
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



RN 1045230-93-0 CAPLUS

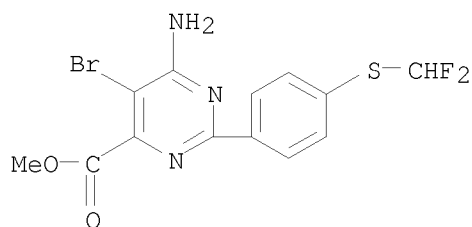
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-

(trifluoromethoxy)phenyl]-, methyl ester (CA INDEX NAME)



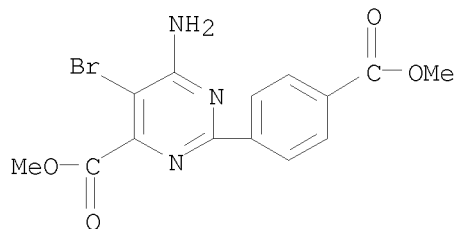
RN 1045230-94-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(difluoromethylthio)phenyl]-, methyl ester (CA INDEX NAME)



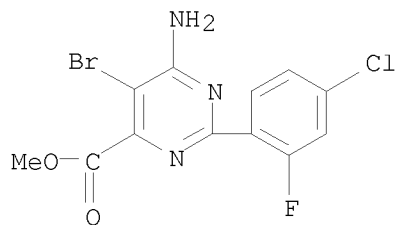
RN 1045230-96-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(methoxycarbonyl)phenyl]-, methyl ester (CA INDEX NAME)

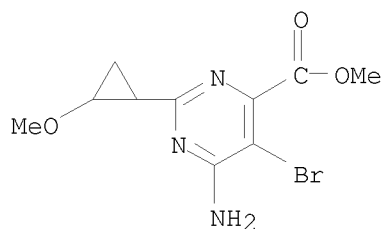


RN 1045230-99-6 CAPLUS

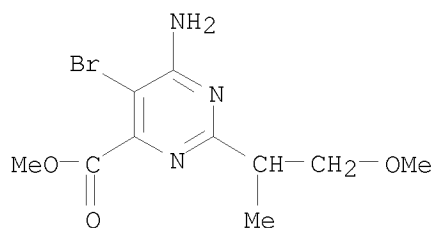
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chloro-2-fluorophenyl)-, methyl ester (CA INDEX NAME)



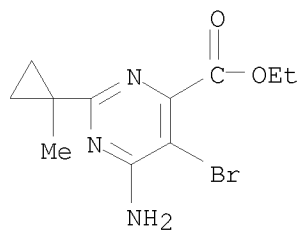
RN 1045231-01-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methoxycyclopropyl)-, methyl ester (CA INDEX NAME)



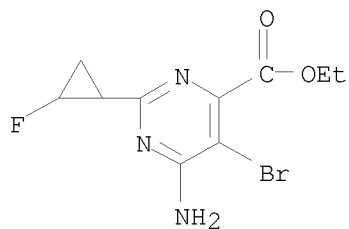
RN 1045231-02-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methoxy-1-methylethyl)-, methyl ester (CA INDEX NAME)



RN 1045231-04-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1-methylcyclopropyl)-, ethyl ester (CA INDEX NAME)

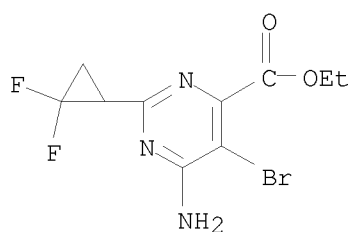


RN 1045231-07-9 CAPLUS  
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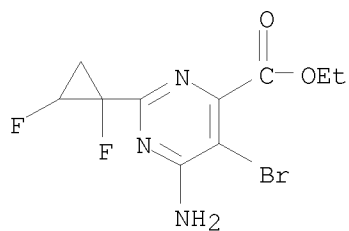
RN 1045231-09-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,2-difluorocyclopropyl)-, ethyl ester (CA INDEX NAME)



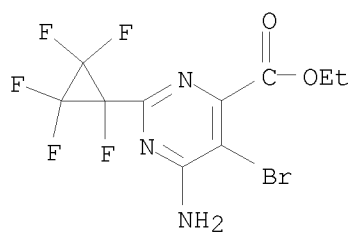
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,2-difluorocyclopropyl)-, ethyl ester (CA INDEX NAME)



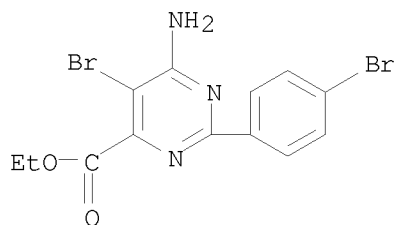
RN 1045231-12-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,2,2,3,3-pentafluorocyclopropyl)-, ethyl ester (CA INDEX NAME)



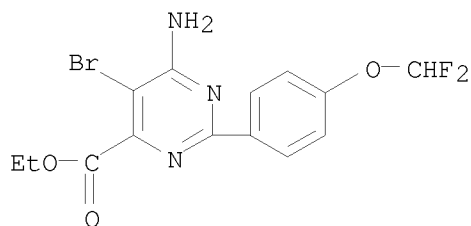
RN 1045231-15-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-bromophenyl)-, ethyl ester (CA INDEX NAME)



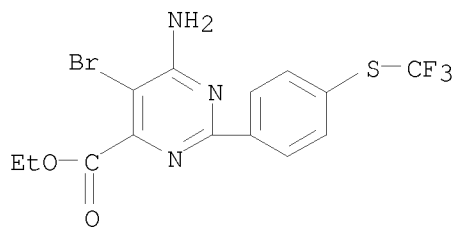
RN 1045231-17-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(difluoromethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



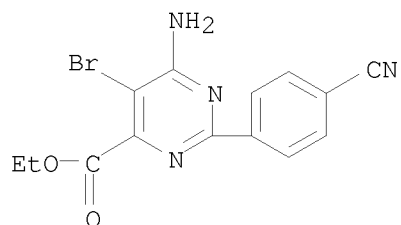
RN 1045231-18-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-[(trifluoromethyl)thio]phenyl]-, ethyl ester (CA INDEX NAME)

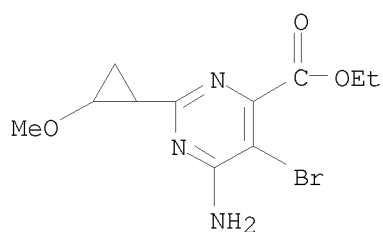


RN 1045231-20-6 CAPLUS

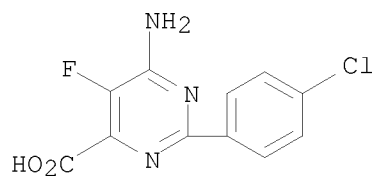
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-cyanophenyl)-, ethyl ester (CA INDEX NAME)



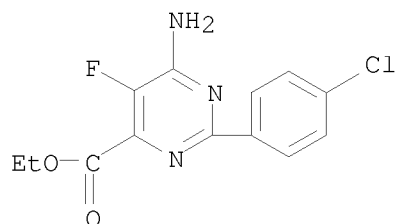
RN 1045231-23-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methoxycyclopropyl)-, ethyl ester (CA INDEX NAME)



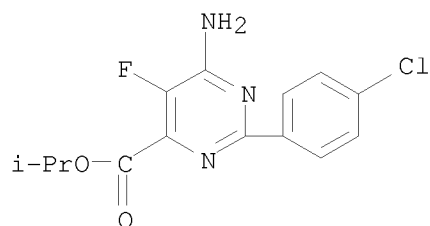
RN 1045231-25-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro- (CA INDEX NAME)



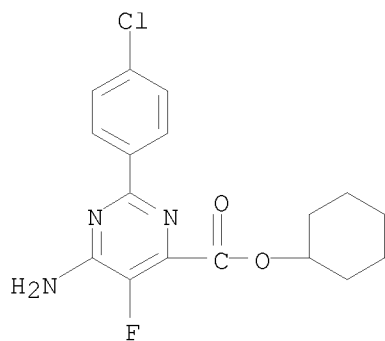
RN 1045231-29-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, ethyl ester (CA INDEX NAME)



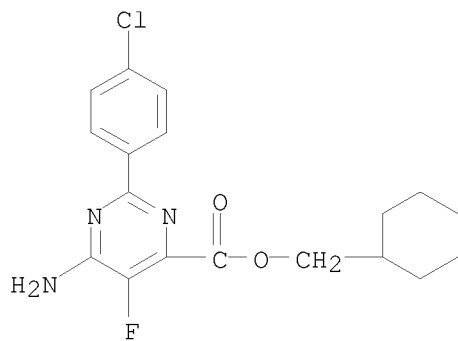
RN 1045231-30-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, 1-methylethyl ester (CA INDEX NAME)



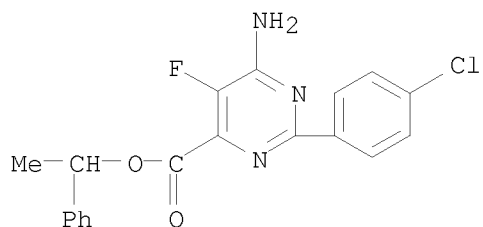
RN 1045231-31-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 cyclohexyl ester (CA INDEX NAME)



RN 1045231-33-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 cyclohexylmethyl ester (CA INDEX NAME)

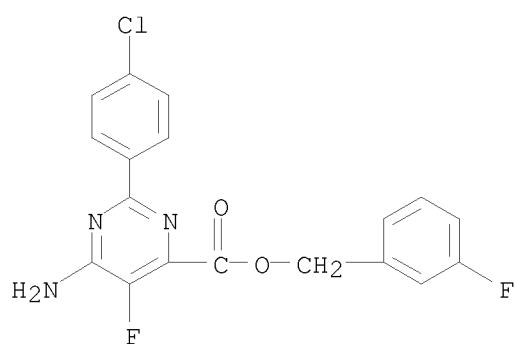


RN 1045231-37-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
 1-phenylethyl ester (CA INDEX NAME)



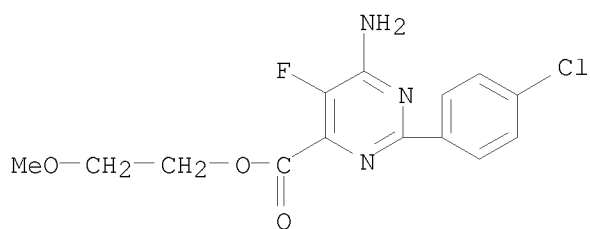
RN 1045231-38-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
(3-fluorophenyl)methyl ester (CA INDEX NAME)



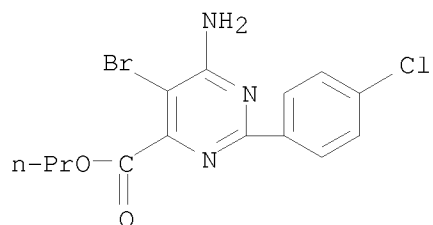
RN 1045231-39-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
2-methoxyethyl ester (CA INDEX NAME)



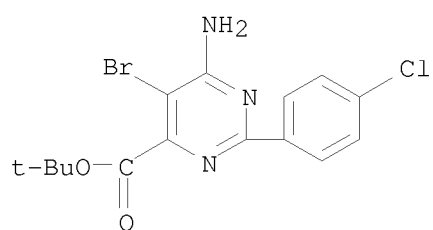
RN 1045231-46-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, propyl  
ester (CA INDEX NAME)



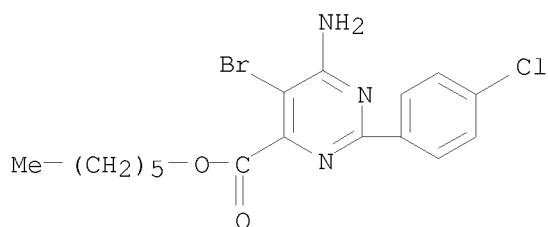
RN 1045231-47-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, 1,1-dimethylethyl ester (CA INDEX NAME)



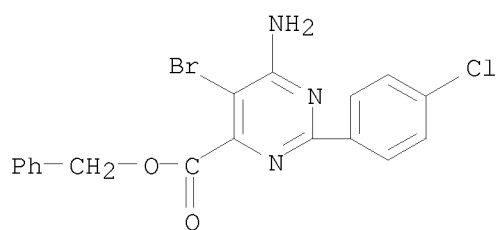
RN 1045231-50-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, hexyl ester (CA INDEX NAME)



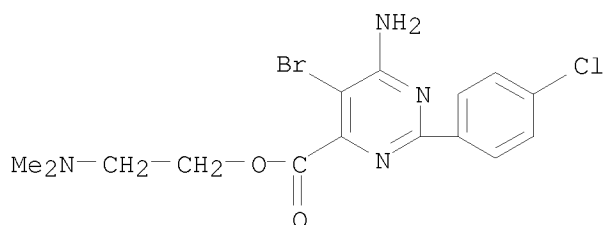
RN 1045231-51-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, phenylmethyl ester (CA INDEX NAME)



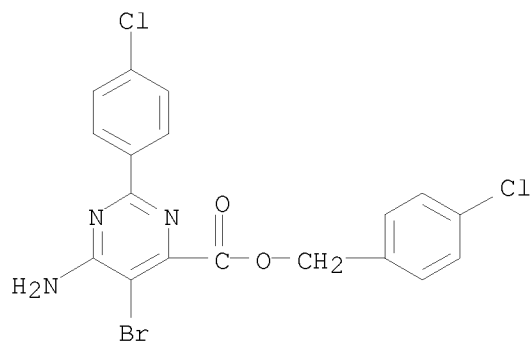
RN 1045231-54-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
2-(dimethylamino)ethyl ester (CA INDEX NAME)



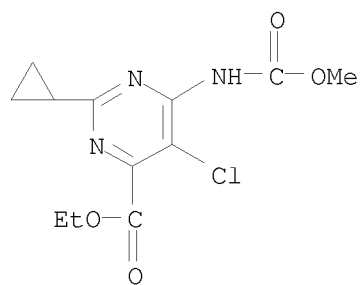
RN 1045231-55-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
(4-chlorophenyl)methyl ester (CA INDEX NAME)



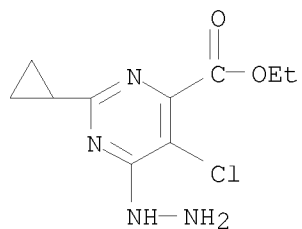
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-  
[(methoxycarbonyl)amino]-, ethyl ester (CA INDEX NAME)

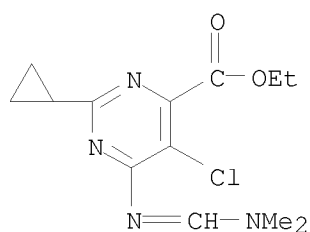


RN 1045231-59-1 CAPLUS

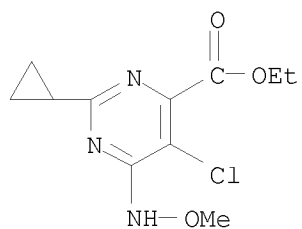
CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-hydrazinyl-, ethyl  
ester (CA INDEX NAME)



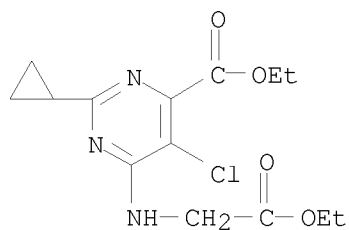
RN 1045231-62-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-  
 [[(dimethylamino)methylene]amino]-, ethyl ester (CA INDEX NAME)



RN 1045231-63-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(methoxyamino)-,  
 ethyl ester (CA INDEX NAME)

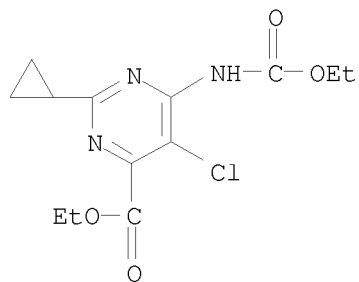


RN 1045231-65-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-ethoxy-2-  
 oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



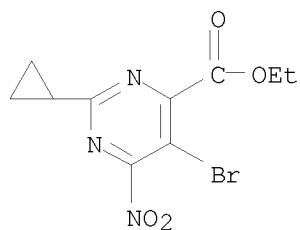
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-  
[(ethoxycarbonyl)amino]-, ethyl ester (CA INDEX NAME)



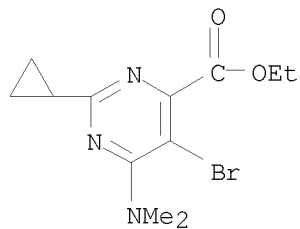
RN 1045231-70-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-nitro-, ethyl ester  
(CA INDEX NAME)



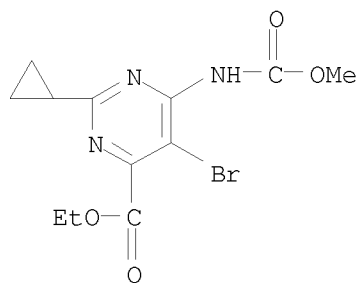
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(dimethylamino)-,  
ethyl ester (CA INDEX NAME)

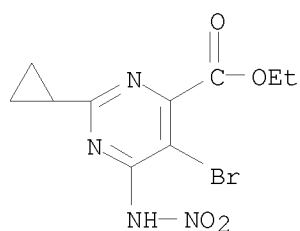


RN 1045231-73-9 CAPLUS

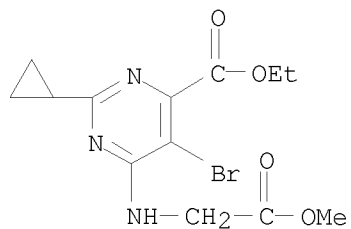
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-  
[(methoxycarbonyl)amino]-, ethyl ester (CA INDEX NAME)



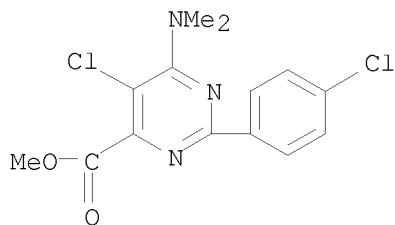
RN 1045231-74-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(nitroamino)-, ethyl ester (CA INDEX NAME)



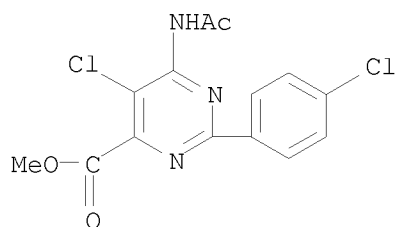
RN 1045231-78-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-methoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



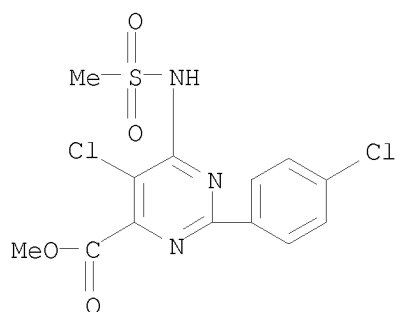
RN 1045231-80-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(dimethylamino)-, methyl ester (CA INDEX NAME)



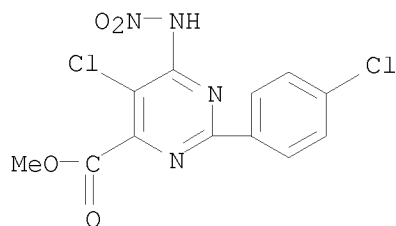
RN 1045231-81-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-chloro-2-(4-chlorophenyl)-,  
 methyl ester (CA INDEX NAME)



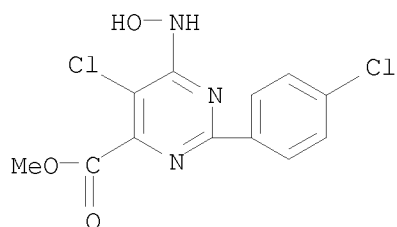
RN 1045231-83-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-  
 [(methylsulfonyl)amino]-, methyl ester (CA INDEX NAME)



RN 1045231-86-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(nitroamino)-,  
 methyl ester (CA INDEX NAME)

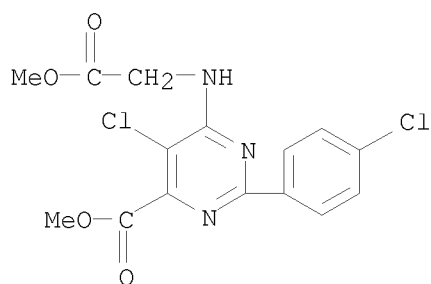


RN 1045231-88-6 CAPLUS  
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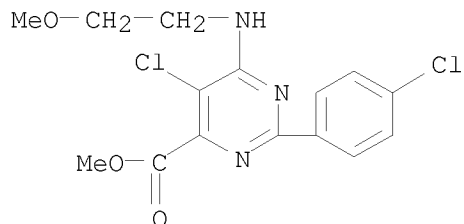
RN 1045231-89-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-methoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)



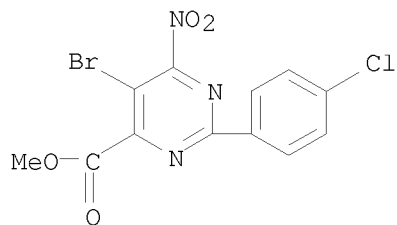
RN 1045231-91-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-methoxyethyl)amino]-, methyl ester (CA INDEX NAME)



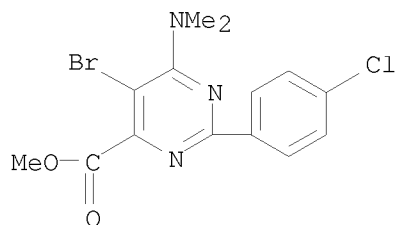
RN 1045231-94-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-nitro-, methyl ester (CA INDEX NAME)



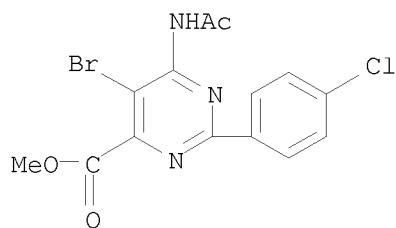
RN 1045231-96-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(dimethylamino)-, methyl ester (CA INDEX NAME)



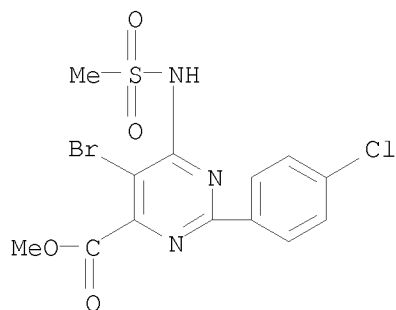
RN 1045231-97-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-bromo-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



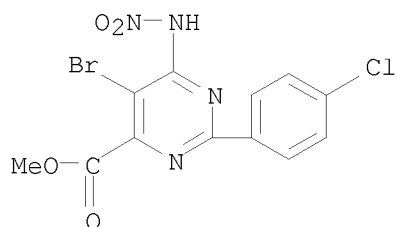
RN 1045231-99-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(methylsulfonyl)amino]-, methyl ester (CA INDEX NAME)



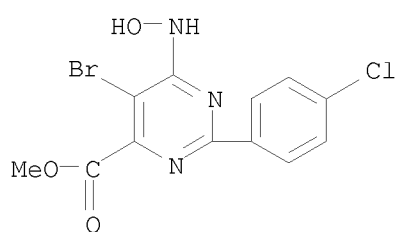
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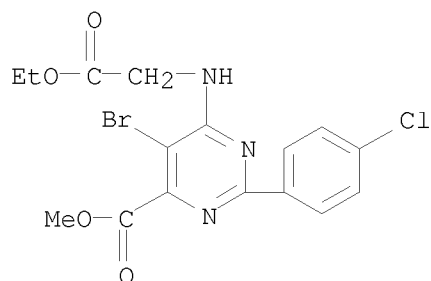
RN 1045232-04-9 CAPLUS

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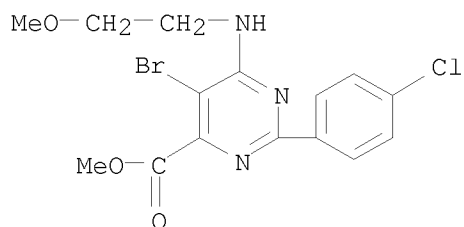
RN 1045232-05-0 CAPLUS

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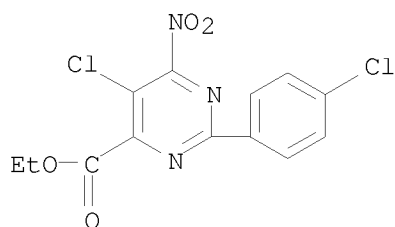


RN 1045232-08-3 CAPLUS

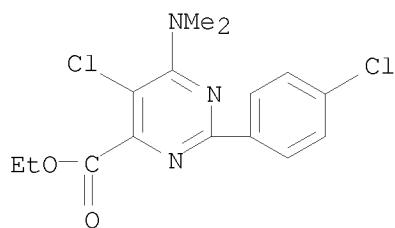
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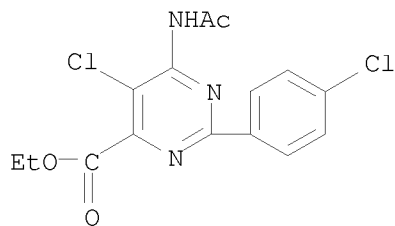
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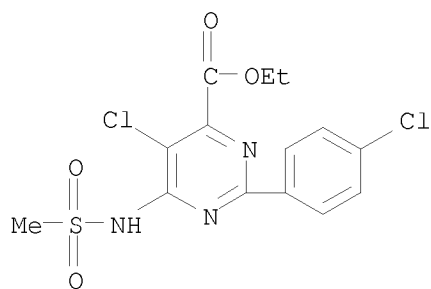
RN 1045232-11-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(dimethylamino)-, ethyl ester (CA INDEX NAME)



RN 1045232-13-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-chloro-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)

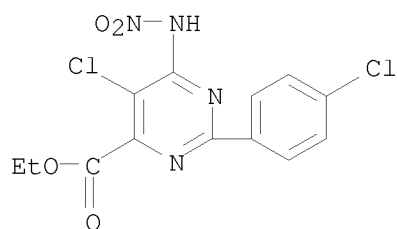


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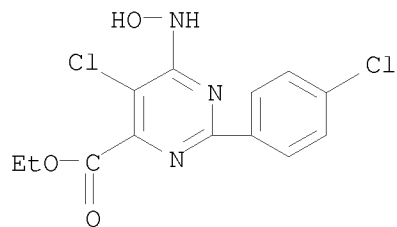
RN 1045232-17-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(nitroamino)-, ethyl ester (CA INDEX NAME)



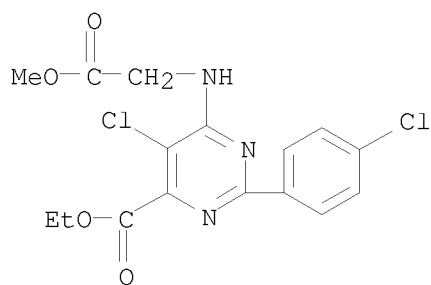
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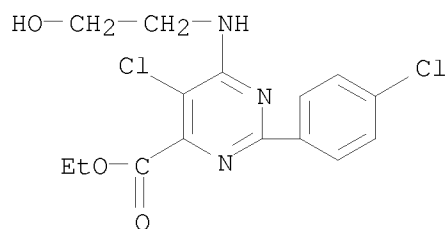
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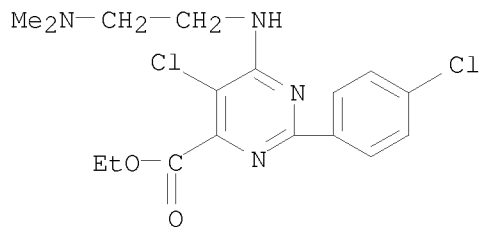
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-hydroxyethyl)amino]-, ethyl ester (CA INDEX NAME)



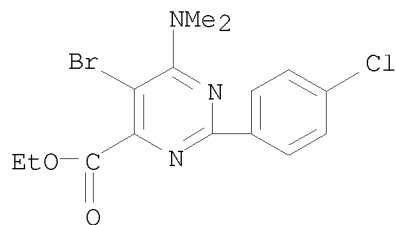
RN 1045232-25-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[[2-(dimethylamino)ethyl]amino]-, ethyl ester (CA INDEX NAME)

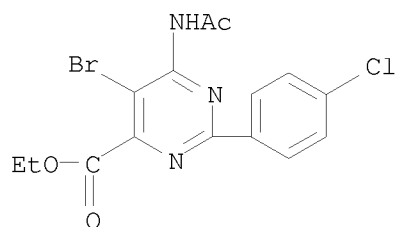


RN 1045232-27-6 CAPLUS

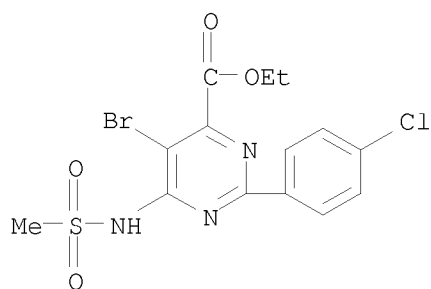
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(dimethylamino)-, ethyl ester (CA INDEX NAME)



RN 1045232-29-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-bromo-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



RN 1045232-32-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(methylsulfonyl)amino]-, ethyl ester (CA INDEX NAME)



IT 1045232-33-4 1045232-35-6 1045232-40-3  
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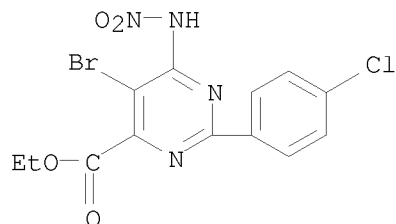
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RL: PRPH (Prophetic)

(Preparation of herbicidal pyrimidines)

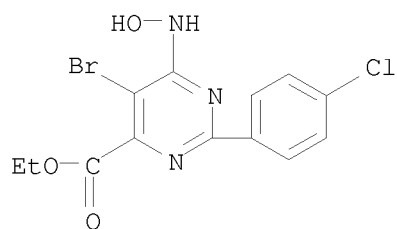
RN 1045232-33-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(nitroamino)-, ethyl ester (CA INDEX NAME)

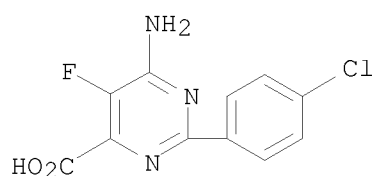


RN 1045232-35-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(hydroxyamino)-, ethyl ester (CA INDEX NAME)

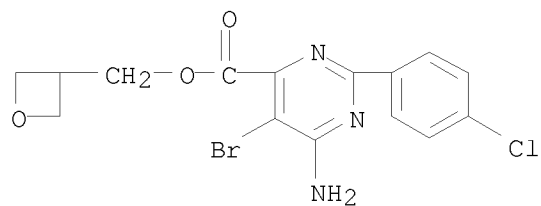


RN 1045232-40-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
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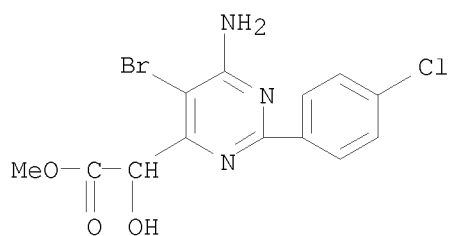


● K

RN 1045232-42-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-,  
 3-oxetanylmethyl ester (CA INDEX NAME)

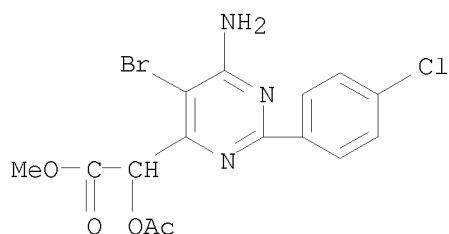


RN 1045232-45-8 CAPLUS  
 CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-(4-chlorophenyl)- $\alpha$ -  
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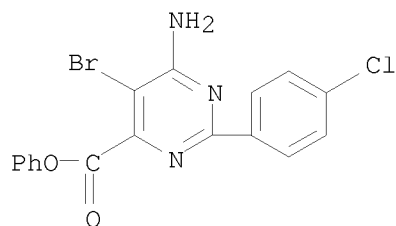
RN 1045232-48-1 CAPLUS

CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-5-bromo-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



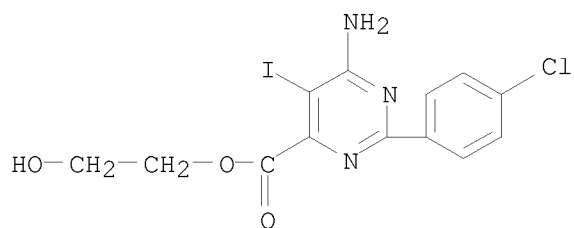
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, phenyl ester (CA INDEX NAME)



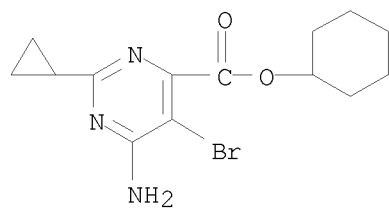
RN 1045232-60-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, 2-hydroxyethyl ester (CA INDEX NAME)

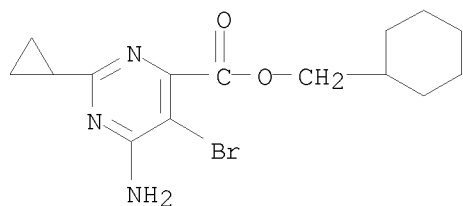


RN 1045232-68-5 CAPLUS

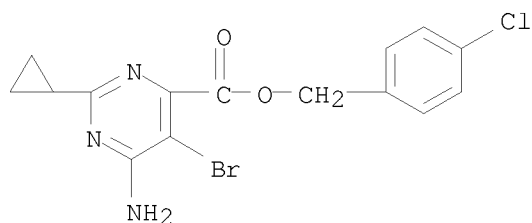
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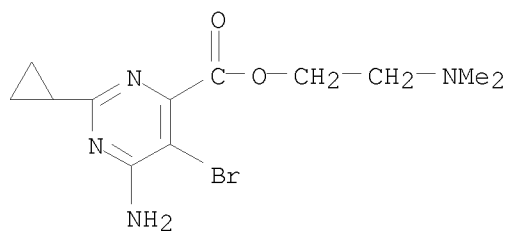
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-,  
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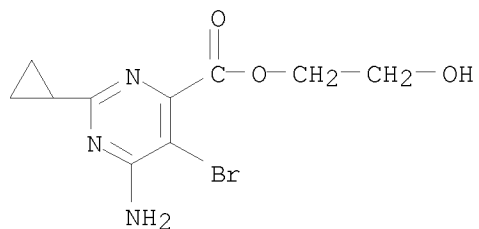
RN 1045232-71-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-,  
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RN 1045232-72-1 CAPLUS  
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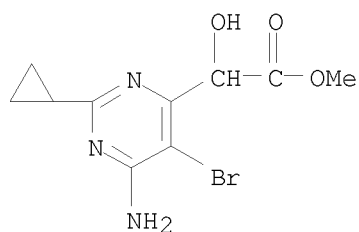


RN 1045232-76-5 CAPLUS  
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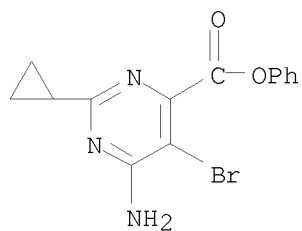
RN 1045232-77-6 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-cyclopropyl- $\alpha$ -hydroxy-, methyl ester (CA INDEX NAME)



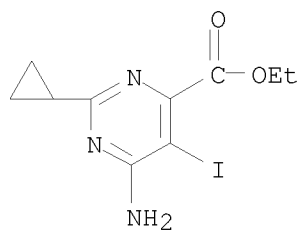
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, phenyl ester (CA INDEX NAME)



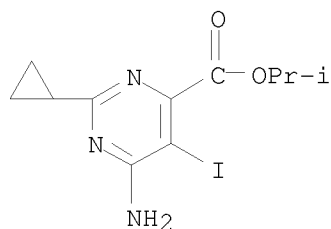
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, ethyl ester (CA INDEX NAME)



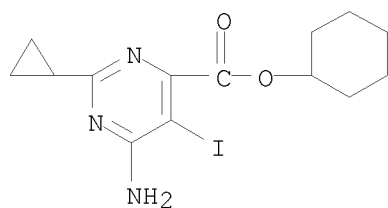
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, 1-methylethyl ester (CA INDEX NAME)



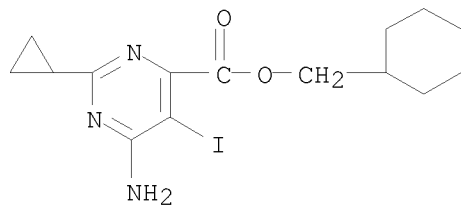
RN 1045232-87-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, cyclohexyl ester (CA INDEX NAME)



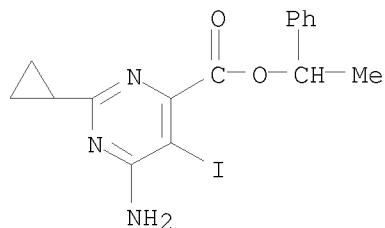
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, cyclohexylmethyl ester (CA INDEX NAME)

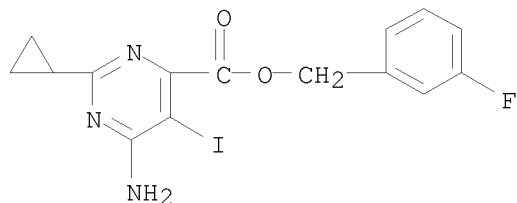


RN 1045232-91-4 CAPLUS

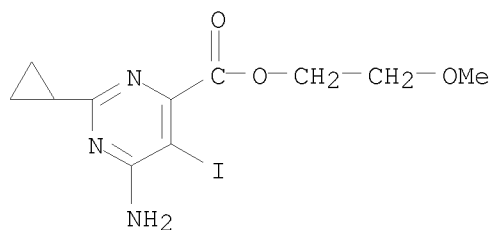
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, 1-phenylethyl ester (CA INDEX NAME)



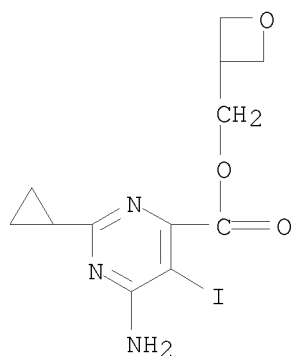
RN 1045232-92-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-,  
 (3-fluorophenyl)methyl ester (CA INDEX NAME)



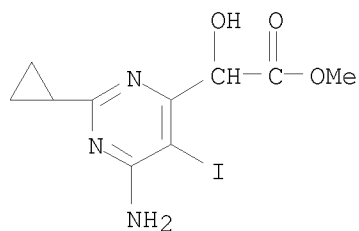
RN 1045232-95-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, 2-methoxyethyl  
 ester (CA INDEX NAME)



RN 1045232-96-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-,  
 3-oxetanylmethyl ester (CA INDEX NAME)

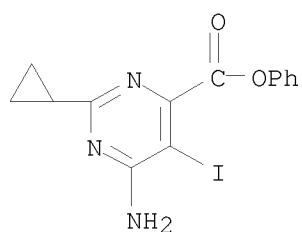


RN 1045233-00-8 CAPLUS  
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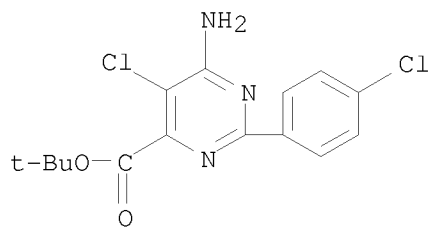
RN 1045233-08-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, phenyl ester  
(CA INDEX NAME)



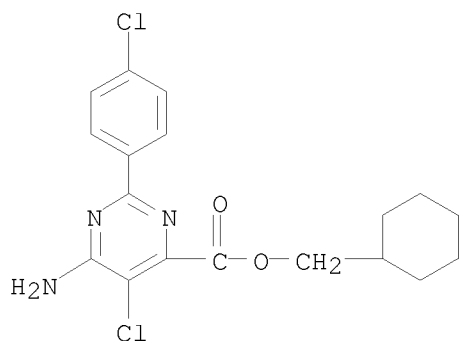
RN 1045233-13-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
1,1-dimethylethyl ester (CA INDEX NAME)

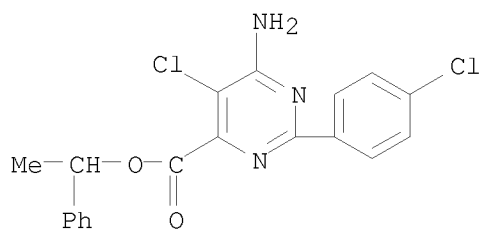


RN 1045233-15-5 CAPLUS

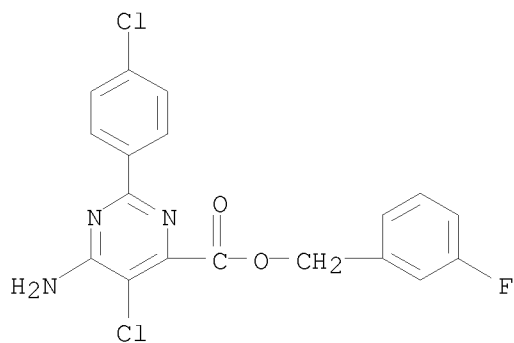
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cyclohexylmethyl ester (CA INDEX NAME)



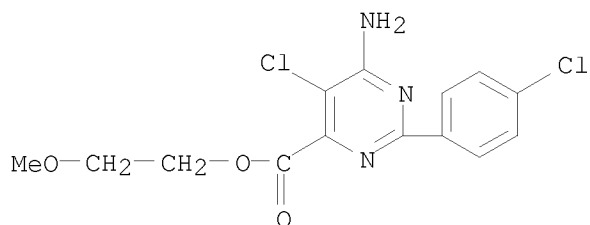
RN 1045233-17-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 1-phenylethyl ester (CA INDEX NAME)



RN 1045233-18-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 (3-fluorophenyl)methyl ester (CA INDEX NAME)

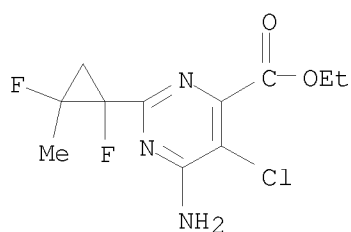


RN 1045233-21-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 2-methoxyethyl ester (CA INDEX NAME)



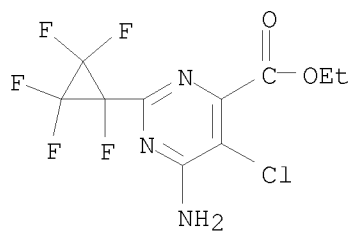
RN 1045233-26-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2-difluoro-2-methylcyclopropyl)-, ethyl ester (CA INDEX NAME)



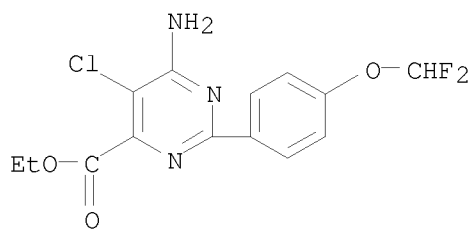
RN 1045233-28-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2,2,3,3-pentafluorocyclopropyl)-, ethyl ester (CA INDEX NAME)



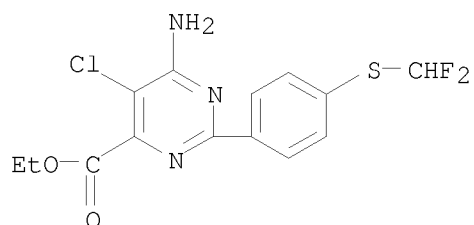
RN 1045233-29-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(difluoromethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



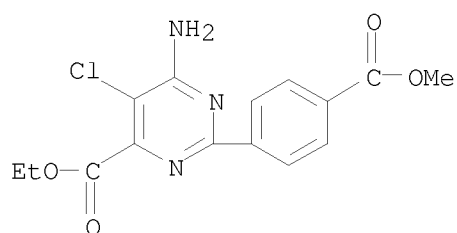
RN 1045233-33-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-  
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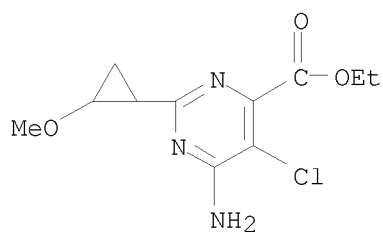
RN 1045233-34-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-  
(methoxycarbonyl)phenyl]-, ethyl ester (CA INDEX NAME)



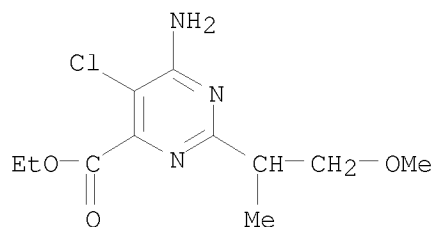
RN 1045233-36-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxycyclopropyl)-,  
ethyl ester (CA INDEX NAME)



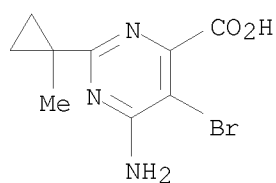
RN 1045233-37-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-methoxy-1-methylethyl)-,  
ethyl ester (CA INDEX NAME)



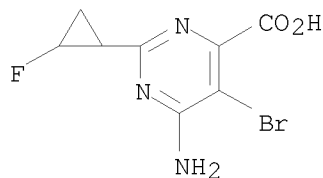
RN 1045233-41-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1-methylcyclopropyl)- (CA INDEX NAME)



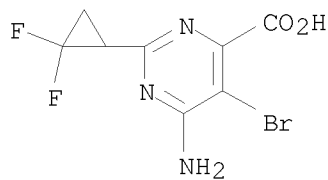
RN 1045233-42-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-fluorocyclopropyl)- (CA INDEX NAME)



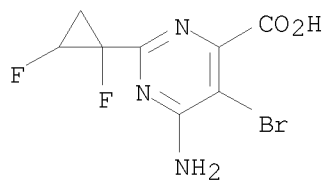
RN 1045233-44-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,2-difluorocyclopropyl)- (CA INDEX NAME)



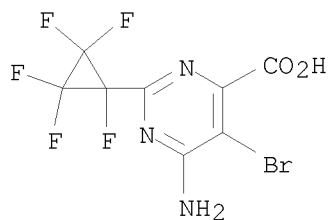
RN 1045233-45-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,2-difluorocyclopropyl)- (CA INDEX NAME)



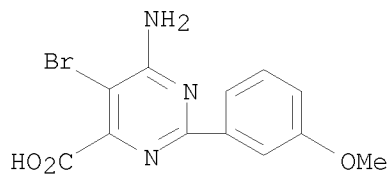
RN 1045233-49-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,2,2,3,3-pentafluorocyclopropyl)- (CA INDEX NAME)



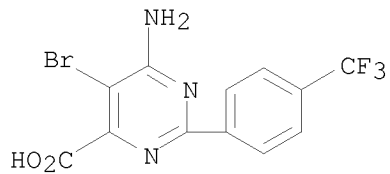
RN 1045233-50-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3-methoxyphenyl)- (CA INDEX NAME)



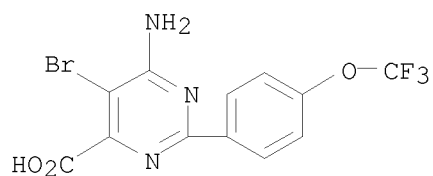
RN 1045233-52-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



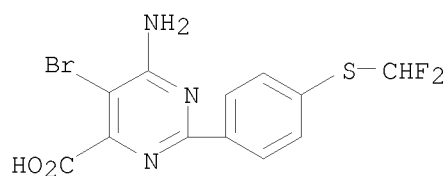
RN 1045233-53-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)



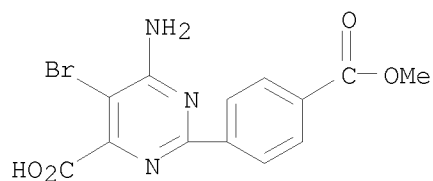
RN 1045233-57-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-  
[(difluoromethyl)thio]phenyl]- (CA INDEX NAME)



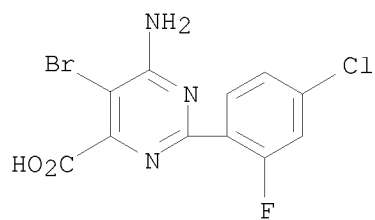
RN 1045233-59-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(methoxycarbonyl)phenyl]-  
(CA INDEX NAME)



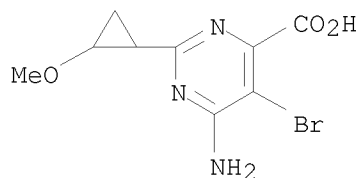
RN 1045233-60-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chloro-2-fluorophenyl)-  
(CA INDEX NAME)

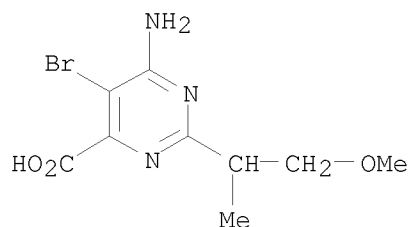


RN 1045233-61-1 CAPLUS

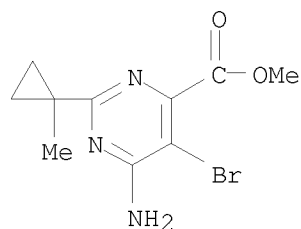
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methoxycyclopropyl)-  
(CA INDEX NAME)



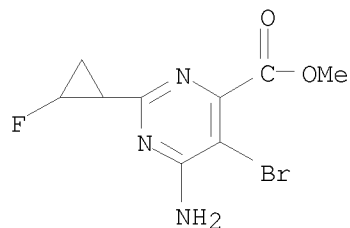
RN 1045233-65-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methoxy-1-methylethyl)-  
 (CA INDEX NAME)



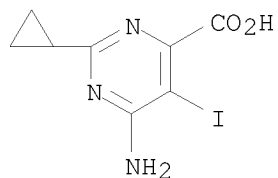
RN 1045233-67-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1-methylcyclopropyl)-,  
 methyl ester (CA INDEX NAME)



RN 1045233-68-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-fluorocyclopropyl)-,  
 methyl ester (CA INDEX NAME)

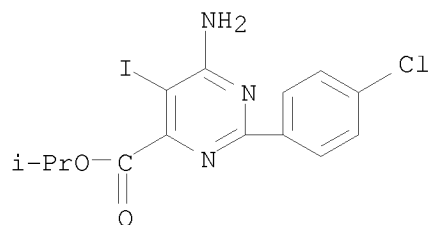


RN 1045233-74-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, potassium salt  
 (1:1) (CA INDEX NAME)

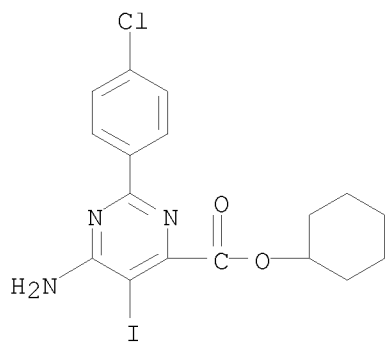


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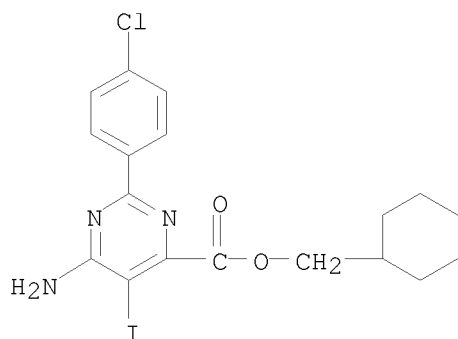
RN 1045233-76-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 1-methylethyl ester (CA INDEX NAME)



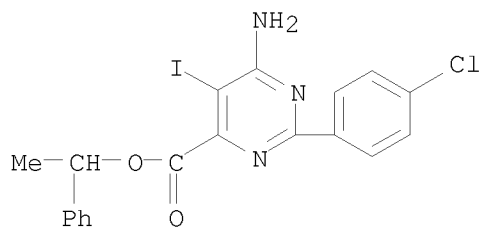
RN 1045233-78-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 cyclohexyl ester (CA INDEX NAME)



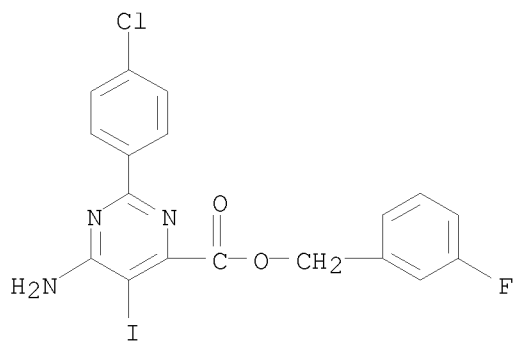
RN 1045233-80-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 cyclohexylmethyl ester (CA INDEX NAME)



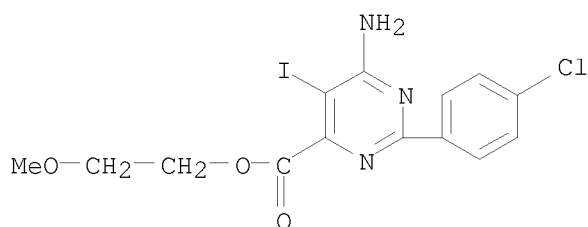
RN 1045233-82-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 1-phenylethyl ester (CA INDEX NAME)



RN 1045233-84-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 (3-fluorophenyl)methyl ester (CA INDEX NAME)

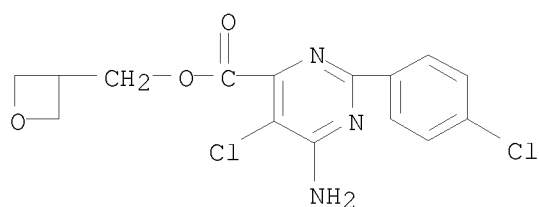


RN 1045233-86-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-,  
 2-methoxyethyl ester (CA INDEX NAME)



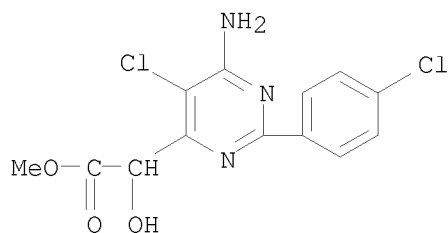
RN 1045233-88-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, 3-oxetanylmethyl ester (CA INDEX NAME)



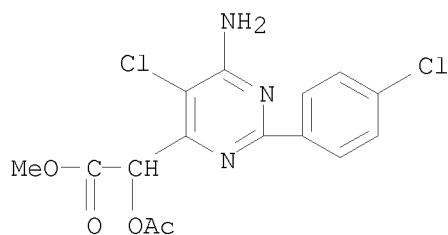
RN 1045233-92-8 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-chloro-2-(4-chlorophenyl)- $\alpha$ -hydroxy-, methyl ester (CA INDEX NAME)



RN 1045233-94-0 CAPLUS

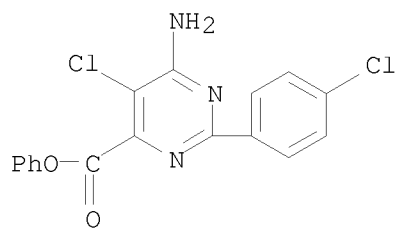
CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



RN 1045234-00-1 CAPLUS

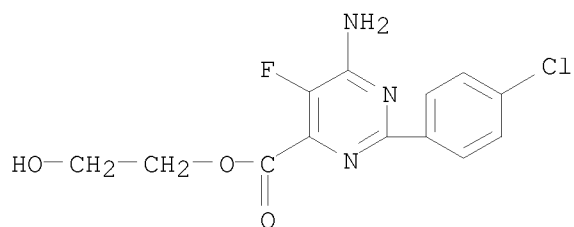
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, phenyl

ester (CA INDEX NAME)



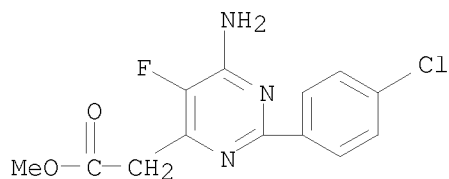
RN 1045234-07-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-,  
2-hydroxyethyl ester (CA INDEX NAME)



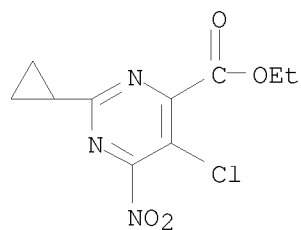
RN 1045234-09-0 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-2-(4-chlorophenyl)-5-fluoro-, methyl  
ester (CA INDEX NAME)



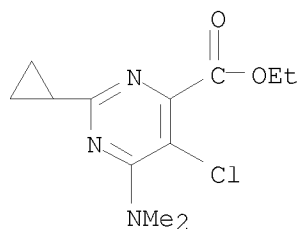
RN 1045234-22-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-nitro-, ethyl ester  
(CA INDEX NAME)



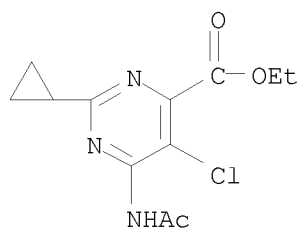
RN 1045234-23-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(dimethylamino)-, ethyl ester (CA INDEX NAME)



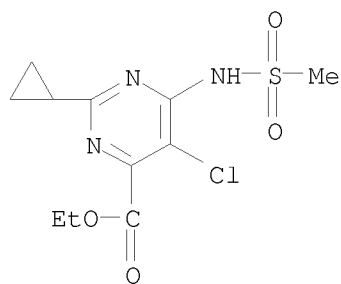
RN 1045234-27-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-chloro-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



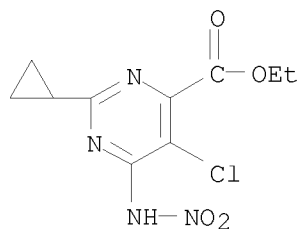
RN 1045234-28-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(methylsulfonyl)amino]-, ethyl ester (CA INDEX NAME)



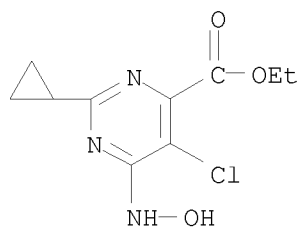
RN 1045234-30-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(nitroamino)-, ethyl ester (CA INDEX NAME)



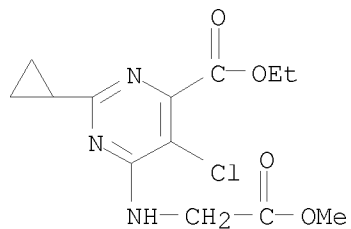
RN 1045234-31-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(hydroxyamino)-, ethyl ester (CA INDEX NAME)



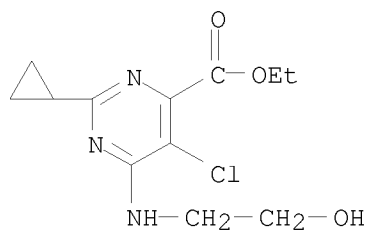
RN 1045234-35-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-methoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



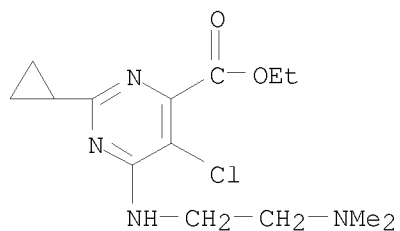
RN 1045234-36-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-hydroxyethyl)amino]-, ethyl ester (CA INDEX NAME)



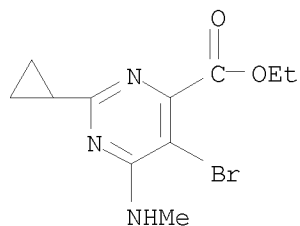
RN 1045234-38-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[[2-(dimethylamino)ethyl]amino]-, ethyl ester (CA INDEX NAME)



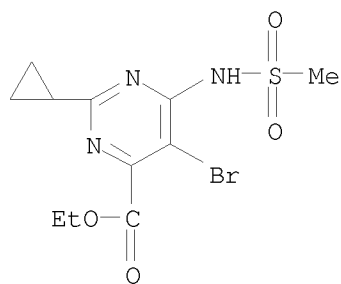
RN 1045234-39-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(methylamino)-, ethyl ester (CA INDEX NAME)



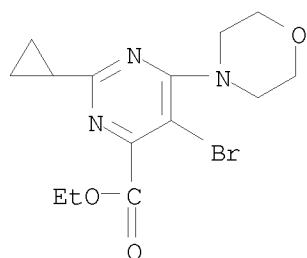
RN 1045234-43-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(methylsulfonyl)amino]-, ethyl ester (CA INDEX NAME)

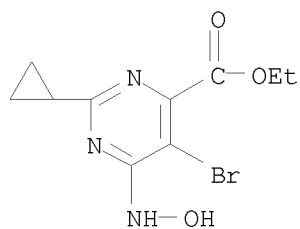


RN 1045234-44-3 CAPLUS

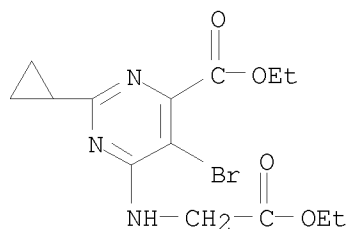
CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(4-morpholinyl)-, ethyl ester (CA INDEX NAME)



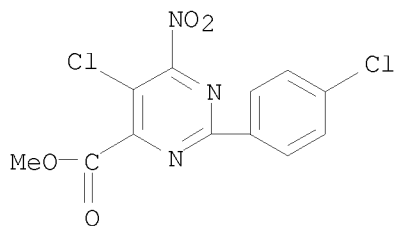
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 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(hydroxyamino)-, ethyl ester (CA INDEX NAME)



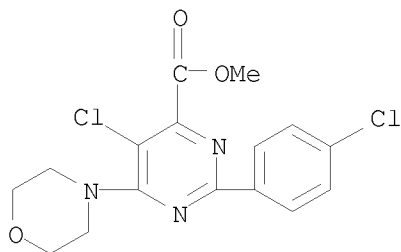
RN 1045234-47-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-ethoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



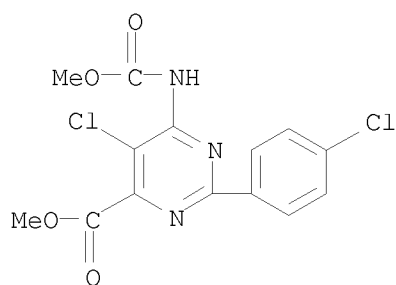
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 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-nitro-, methyl ester (CA INDEX NAME)



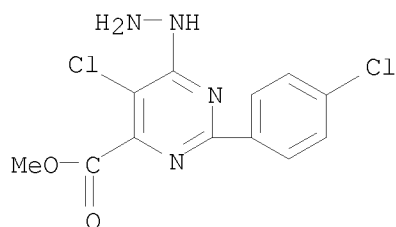
RN 1045234-52-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(4-morpholinyl)-, methyl ester (CA INDEX NAME)



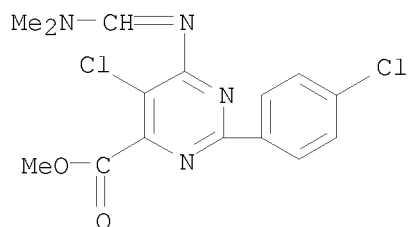
RN 1045234-54-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(methoxycarbonyl)amino]-, methyl ester (CA INDEX NAME)



RN 1045234-55-6 CAPLUS  
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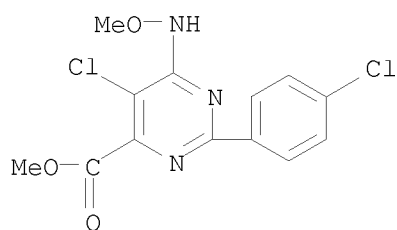


RN 1045234-59-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[[dimethylamino)methylene]amino]-, methyl ester (CA INDEX NAME)



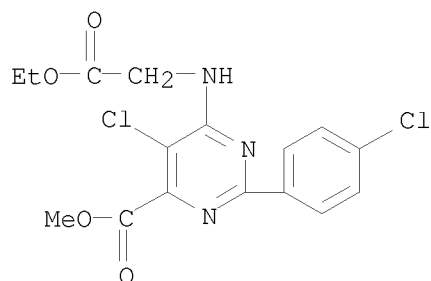
RN 1045234-60-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(methoxyamino)-, methyl ester (CA INDEX NAME)



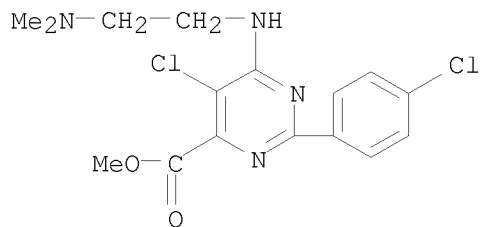
RN 1045234-62-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-ethoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)

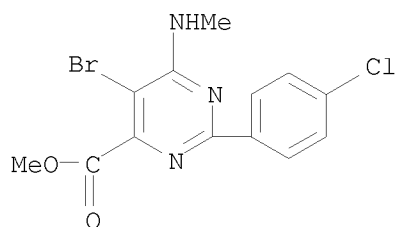


RN 1045234-63-6 CAPLUS

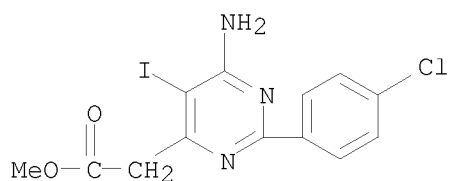
CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[[2-(dimethylamino)ethyl]amino]-, methyl ester (CA INDEX NAME)



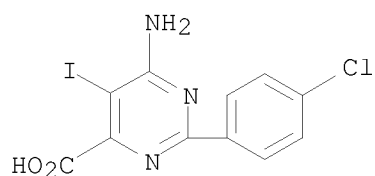
RN 1045234-67-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(methylamino)-, methyl ester (CA INDEX NAME)



RN 1045234-69-2 CAPLUS  
 CN 4-Pyrimidineacetic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, methyl ester (CA INDEX NAME)

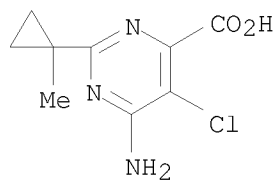


RN 1045234-82-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, potassium salt (1:1) (CA INDEX NAME)



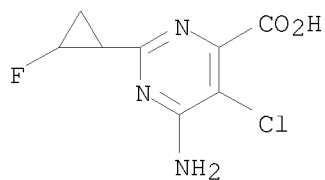
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylcyclopropyl)- (CA INDEX NAME)



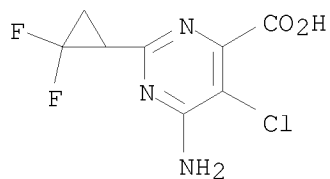
RN 1045234-87-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-fluorocyclopropyl)-  
(CA INDEX NAME)



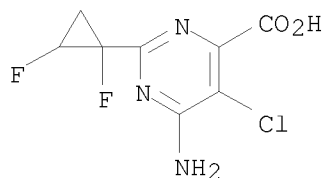
RN 1045234-88-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,2-difluorocyclopropyl)-  
(CA INDEX NAME)



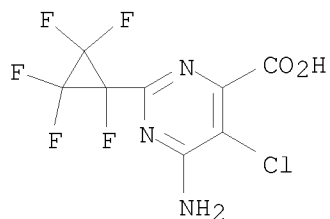
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2-difluorocyclopropyl)-  
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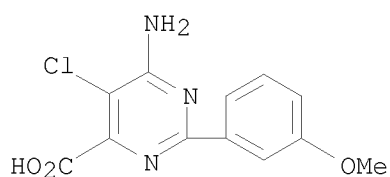


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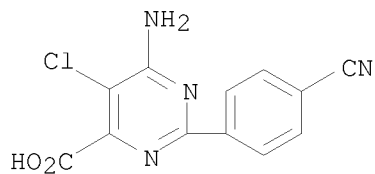
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2,2,3,3-pentafluorocyclopropyl)-  
(CA INDEX NAME)



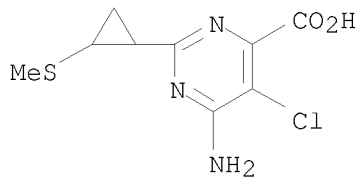
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-methoxyphenyl)- (CA INDEX NAME)



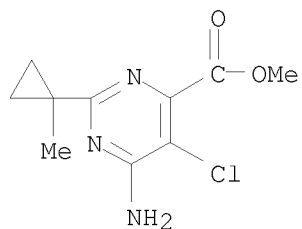
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-cyanophenyl)- (CA INDEX NAME)



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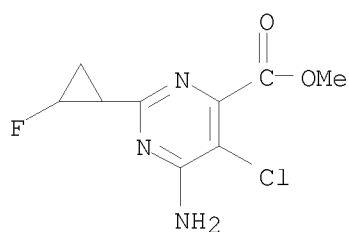


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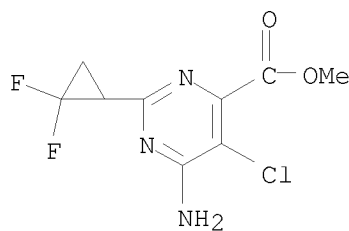
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-fluorocyclopropyl)-, methyl ester (CA INDEX NAME)



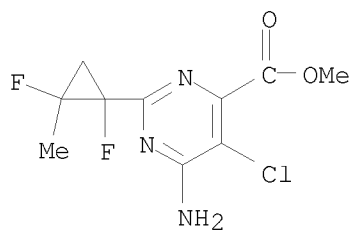
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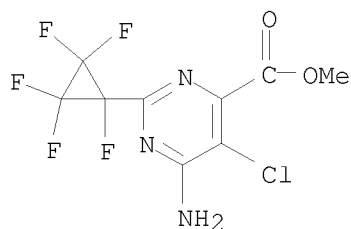
RN 1045235-09-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2-difluoro-2-methylcyclopropyl)-, methyl ester (CA INDEX NAME)



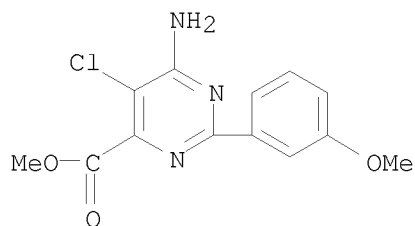
RN 1045235-11-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1,2,2,3,3-pentafluorocyclopropyl)-, methyl ester (CA INDEX NAME)



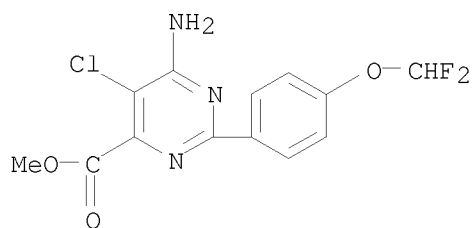
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-methoxyphenyl)-, methyl ester (CA INDEX NAME)



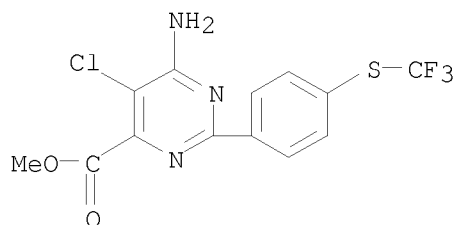
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(difluoromethoxy)phenyl]-, methyl ester (CA INDEX NAME)

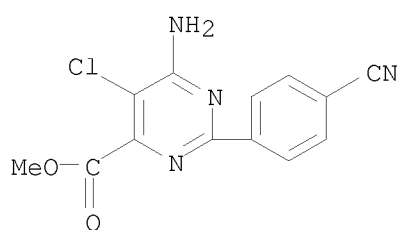


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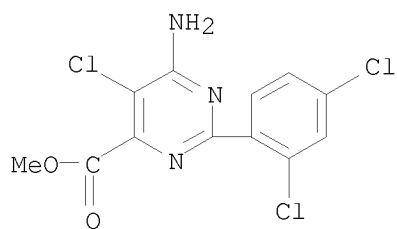
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[(trifluoromethyl)thio]phenyl]-, methyl ester (CA INDEX NAME)



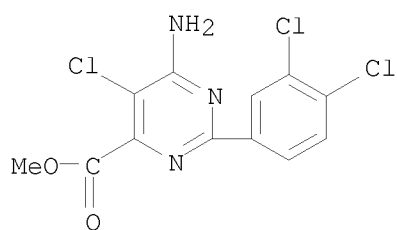
RN 1045235-19-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-cyanophenyl)-, methyl ester (CA INDEX NAME)



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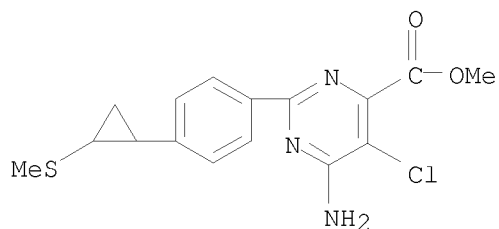


RN 1045235-23-1 CAPLUS  
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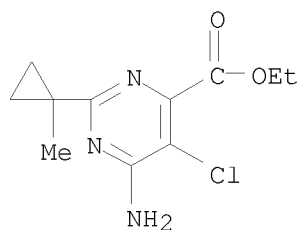


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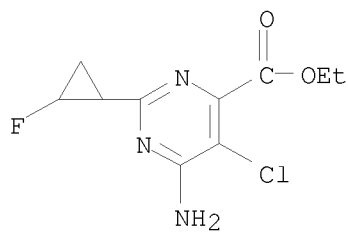
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-[2-(methylthio)cyclopropyl]phenyl]-, methyl ester (CA INDEX NAME)



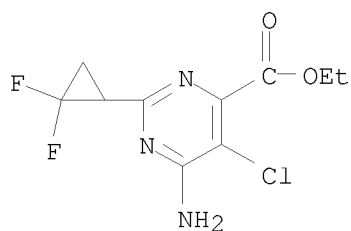
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylcyclopropyl)-, ethyl ester (CA INDEX NAME)



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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-fluorocyclopropyl)-, ethyl ester (CA INDEX NAME)

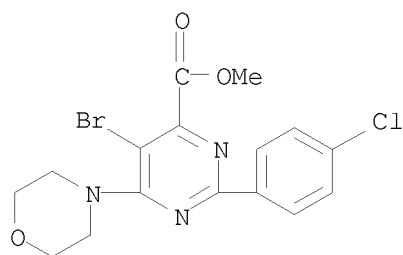


RN 1045235-31-1 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,2-difluorocyclopropyl)-, ethyl ester (CA INDEX NAME)



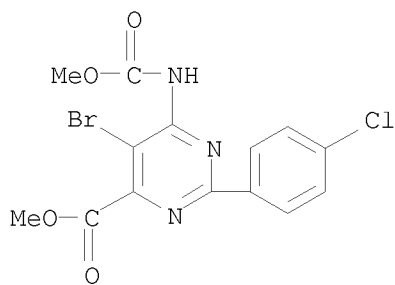
RN 1045235-34-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(4-morpholinyl)-, methyl ester (CA INDEX NAME)



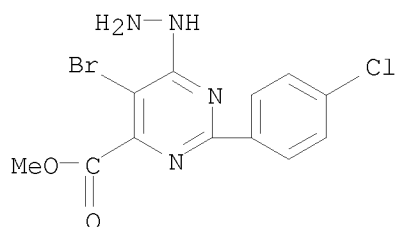
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(methoxycarbonyl)amino]-, methyl ester (CA INDEX NAME)



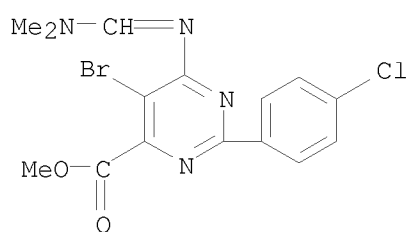
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-hydrazinyl-, methyl ester (CA INDEX NAME)



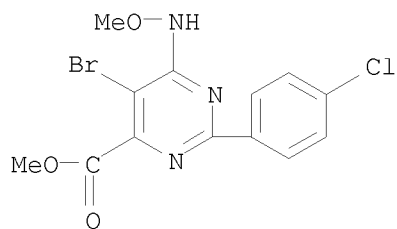
RN 1045235-39-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-  
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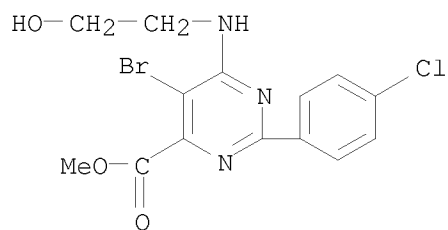
RN 1045235-42-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(methoxyamino)-,  
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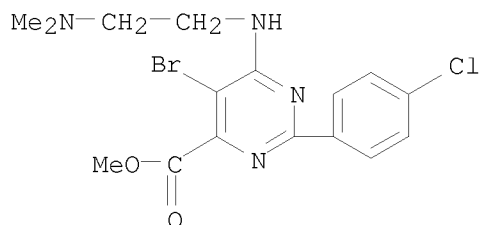
RN 1045235-43-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(2-  
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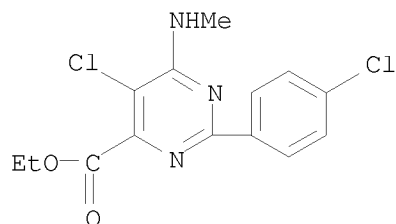
RN 1045235-45-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[[2-(dimethylamino)ethyl]amino]-, methyl ester (CA INDEX NAME)



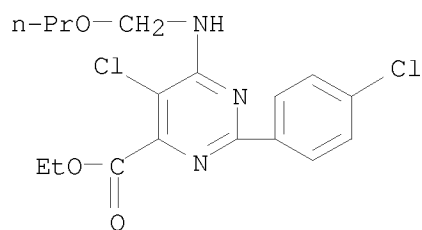
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(methylamino)-, ethyl ester (CA INDEX NAME)



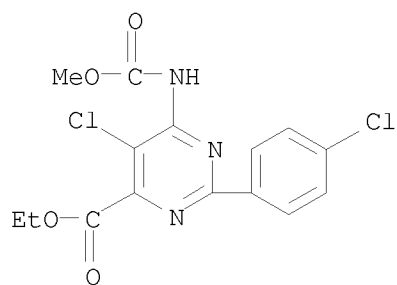
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(propoxymethyl)amino]-, ethyl ester (CA INDEX NAME)



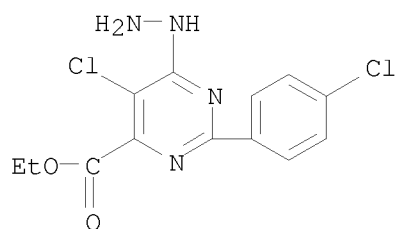
RN 1045235-51-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(methoxycarbonyl)amino]-, ethyl ester (CA INDEX NAME)



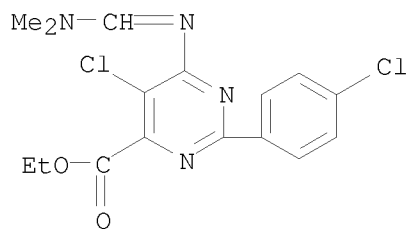
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-hydrazinyl-, ethyl ester (CA INDEX NAME)



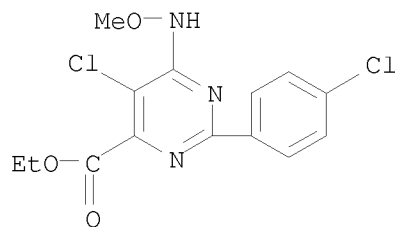
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[[dimethylamino)methylene]amino]-, ethyl ester (CA INDEX NAME)



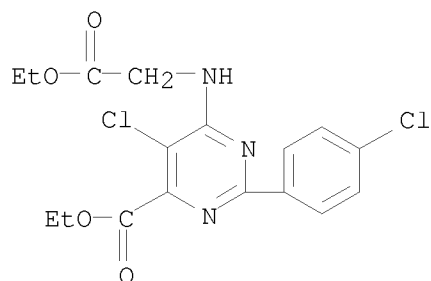
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(methoxyamino)-, ethyl ester (CA INDEX NAME)



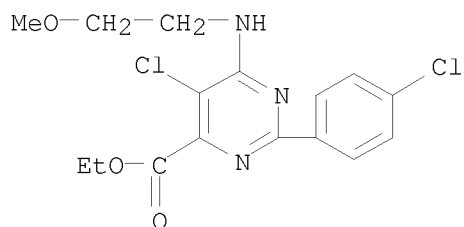
RN 1045235-59-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-ethoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



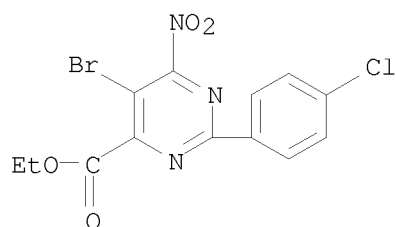
RN 1045235-61-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-[(2-methoxyethyl)amino]-, ethyl ester (CA INDEX NAME)



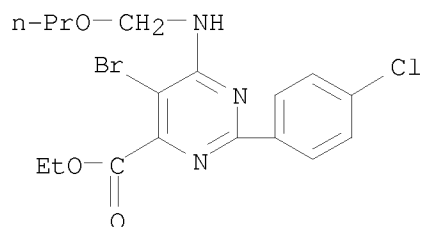
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-nitro-, ethyl ester (CA INDEX NAME)



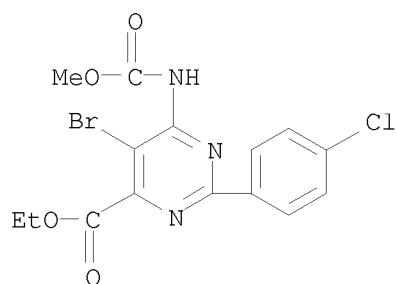
RN 1045235-66-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(propoxymethyl)amino]-, ethyl ester (CA INDEX NAME)



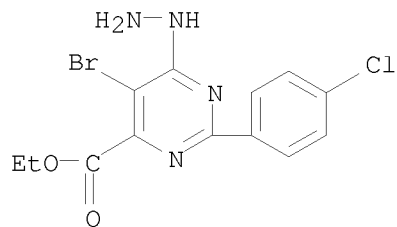
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-  
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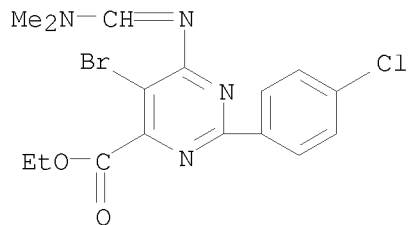
RN 1045235-69-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-hydrazinyl-,  
ethyl ester (CA INDEX NAME)



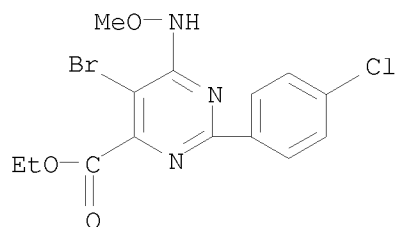
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-  
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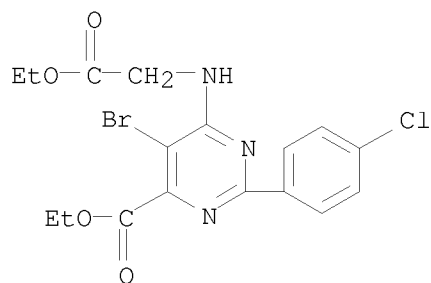
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-(methoxyamino)-, ethyl ester (CA INDEX NAME)



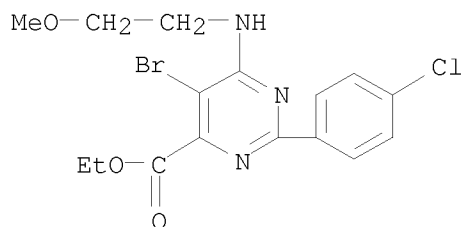
RN 1045235-75-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(2-ethoxy-2-oxoethyl)amino]-, ethyl ester (CA INDEX NAME)



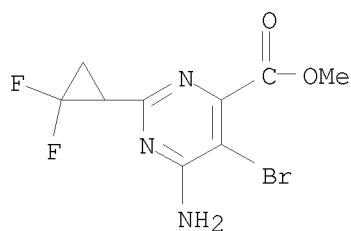
RN 1045235-77-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-(4-chlorophenyl)-6-[(2-methoxyethyl)amino]-, ethyl ester (CA INDEX NAME)



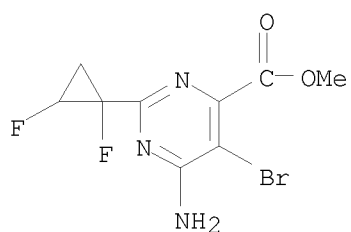
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,2-difluorocyclopropyl)-, methyl ester (CA INDEX NAME)



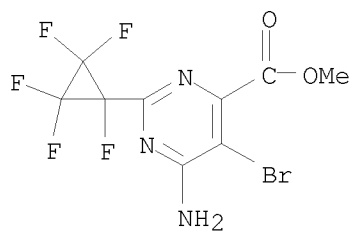
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,2-difluorocyclopropyl)-, methyl ester (CA INDEX NAME)



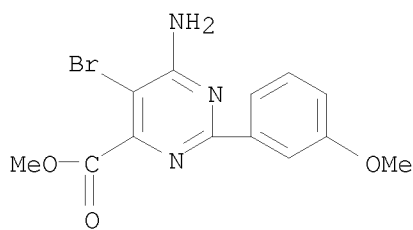
RN 1045235-83-3 CAPLUS

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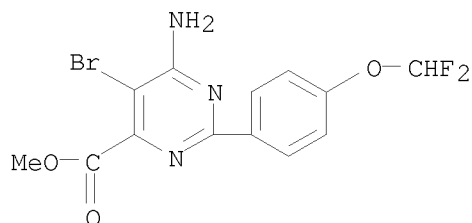
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3-methoxyphenyl)-, methyl ester (CA INDEX NAME)



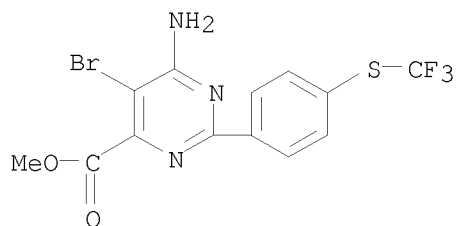
RN 1045235-86-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(difluoromethoxy)phenyl]-, methyl ester (CA INDEX NAME)



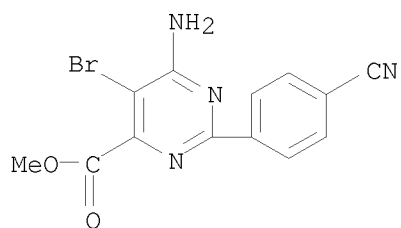
RN 1045235-90-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-[(trifluoromethyl)thio]phenyl]-, methyl ester (CA INDEX NAME)



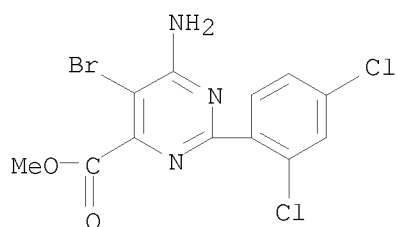
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-cyanophenyl)-, methyl ester (CA INDEX NAME)

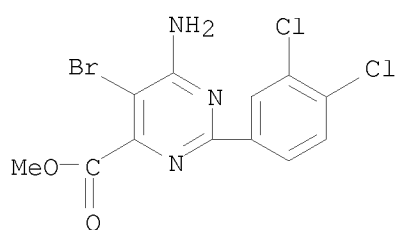


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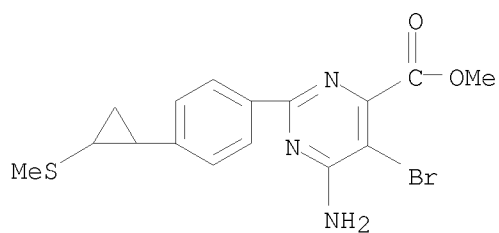
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,4-dichlorophenyl)-, methyl ester (CA INDEX NAME)



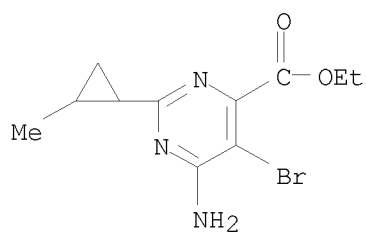
RN 1045235-94-6 CAPLUS  
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 methyl ester (CA INDEX NAME)



RN 1045235-98-0 CAPLUS  
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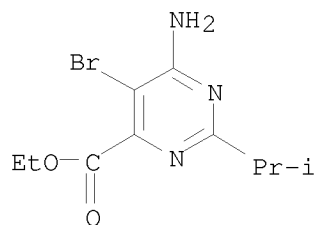


RN 1045235-99-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methylcyclopropyl)-,  
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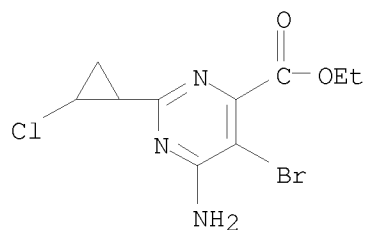
RN 1045236-01-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1-methylethyl)-, ethyl ester (CA INDEX NAME)



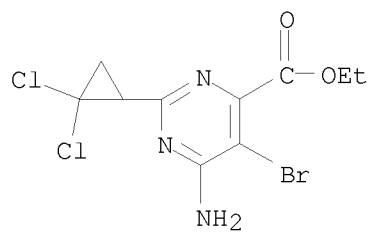
RN 1045236-02-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-chlorocyclopropyl)-, ethyl ester (CA INDEX NAME)



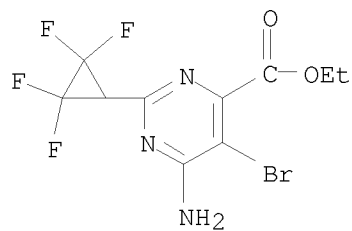
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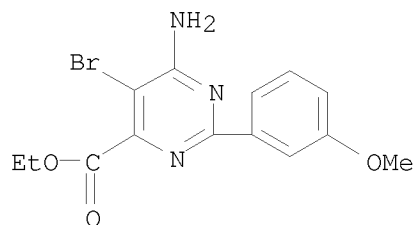


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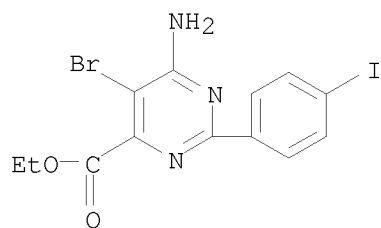
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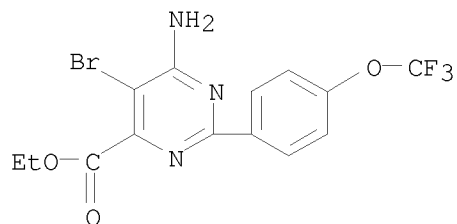
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 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3-methoxyphenyl)-, ethyl ester (CA INDEX NAME)



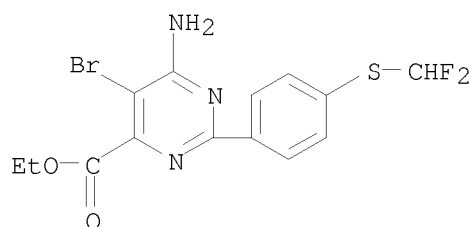
RN 1045236-10-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-iodophenyl)-, ethyl ester (CA INDEX NAME)



RN 1045236-14-3 CAPLUS  
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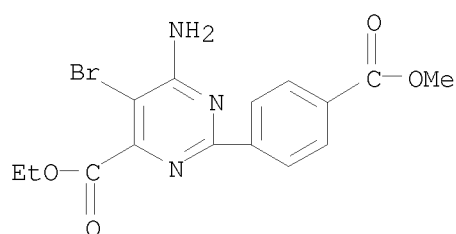


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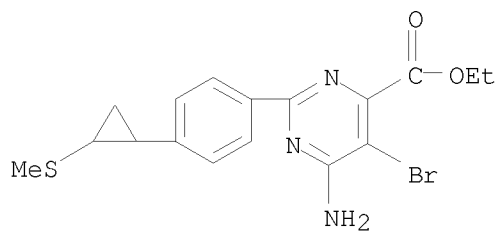
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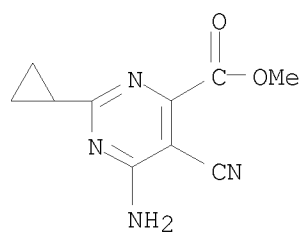
RN 1045236-18-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-[2-(methylthio)cyclopropyl]phenyl]-, ethyl ester (CA INDEX NAME)



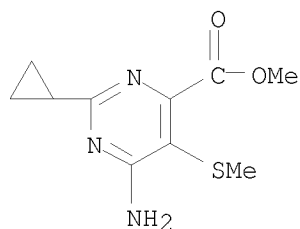
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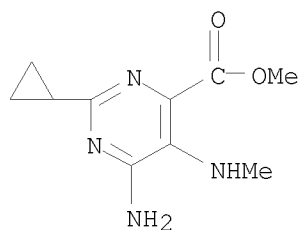


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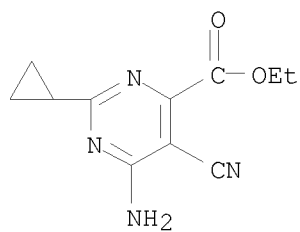
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-(methylthio)-, methyl ester (CA INDEX NAME)



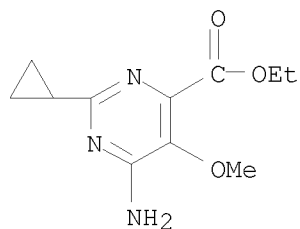
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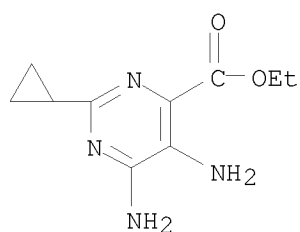
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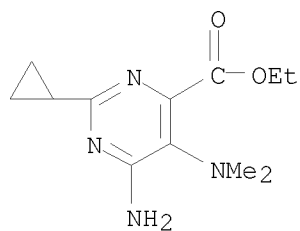
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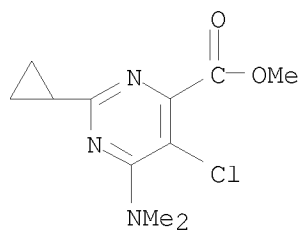
RN 1045236-31-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5,6-diamino-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



RN 1045236-32-5 CAPLUS  
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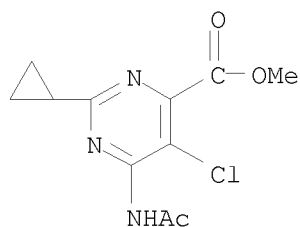


RN 1045236-34-7 CAPLUS  
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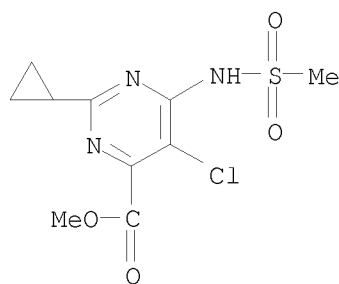
RN 1045236-38-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-chloro-2-cyclopropyl-, methyl ester (CA INDEX NAME)



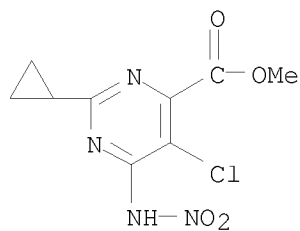
RN 1045236-39-2 CAPLUS

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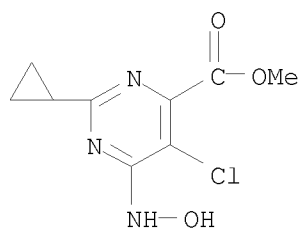
RN 1045236-40-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(nitroamino)-, methyl ester (CA INDEX NAME)



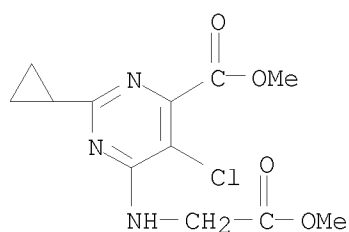
RN 1045236-42-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(hydroxyamino)-, methyl ester (CA INDEX NAME)



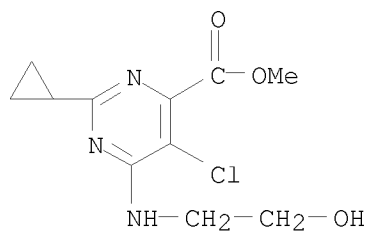
RN 1045236-46-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[(2-methoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)



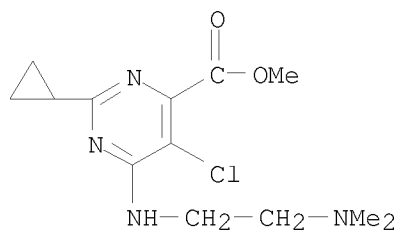
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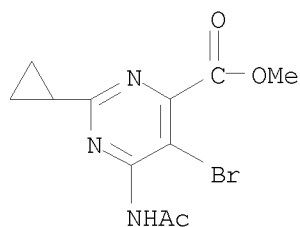
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CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-[[2-(dimethylamino)ethyl]amino]-, methyl ester (CA INDEX NAME)



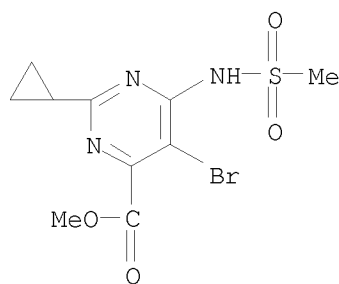
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CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-bromo-2-cyclopropyl-, methyl ester (CA INDEX NAME)



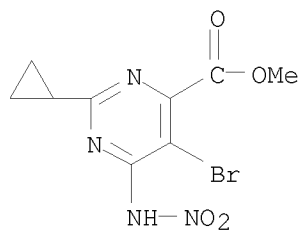
RN 1045236-54-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(methylsulfonyl)amino]-, methyl ester (CA INDEX NAME)



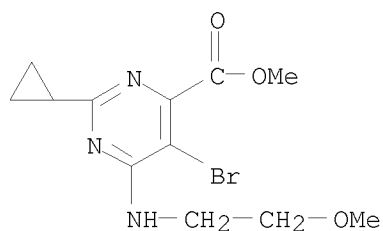
RN 1045236-55-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(nitroamino)-, methyl ester (CA INDEX NAME)



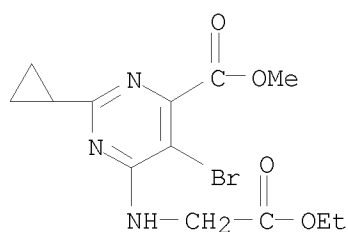
RN 1045236-57-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-methoxyethyl)amino]-, methyl ester (CA INDEX NAME)



RN 1045236-58-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-ethoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)

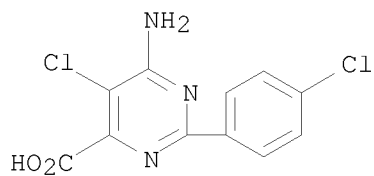


IT 858955-38-1P 858956-08-8P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(preparation of herbicidal pyrimidines)

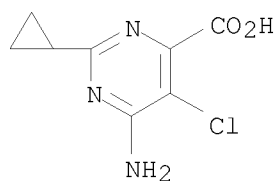
RN 858955-38-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



RN 858956-08-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)



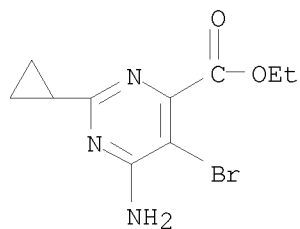
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

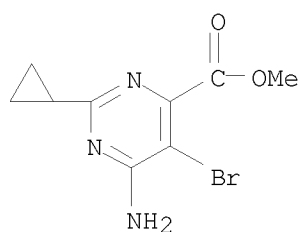
(preparation of herbicidal pyrimidines)

RN 858954-76-4 CAPLUS

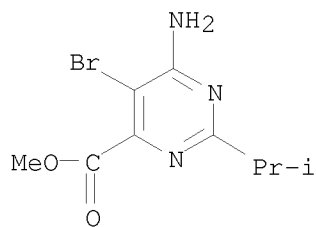
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester  
 (CA INDEX NAME)



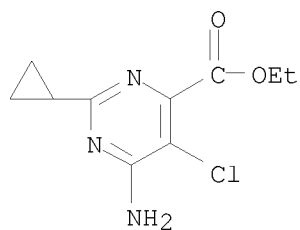
RN 858954-77-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, methyl ester  
 (CA INDEX NAME)



RN 858954-78-6 CAPLUS  
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 (CA INDEX NAME)

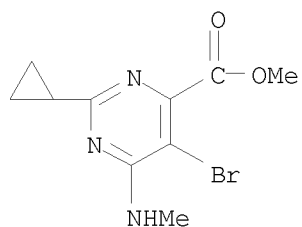


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 CN 4-(cyclopropyl)-6-amino-5-chloro-2-ethoxycarbonylpyrimidine, ethyl ester  
 (CA INDEX NAME)



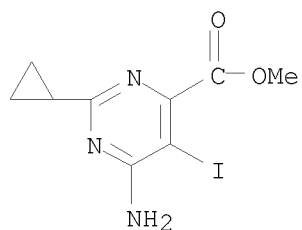
RN 858954-80-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(methylamino)-,  
methyl ester (CA INDEX NAME)



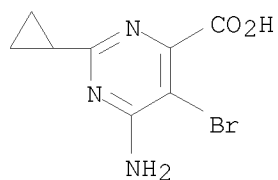
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-iodo-, methyl ester  
(CA INDEX NAME)



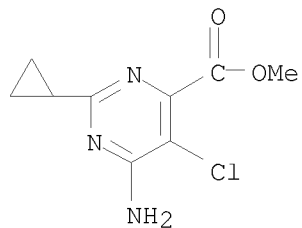
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX  
NAME)

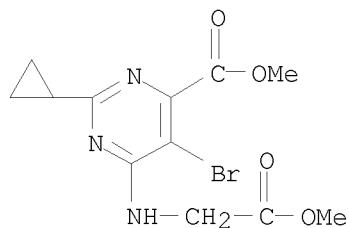


RN 858954-83-3 CAPLUS

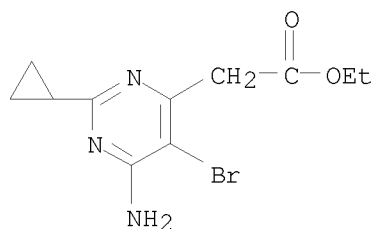
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, methyl ester  
(CA INDEX NAME)



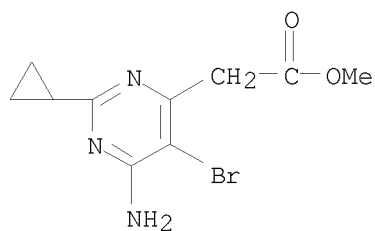
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 CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-methoxy-2-oxoethyl)amino]-, methyl ester (CA INDEX NAME)



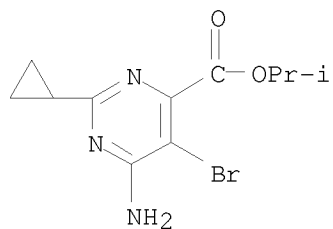
RN 858954-86-6 CAPLUS  
 CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



RN 858954-87-7 CAPLUS  
 CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-cyclopropyl-, methyl ester (CA INDEX NAME)

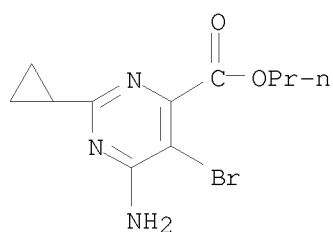


RN 858954-88-8 CAPLUS  
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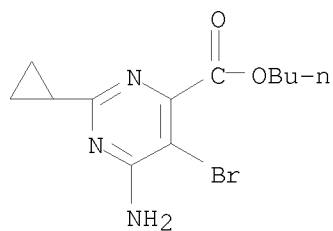
RN 858954-89-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, propyl ester  
(CA INDEX NAME)



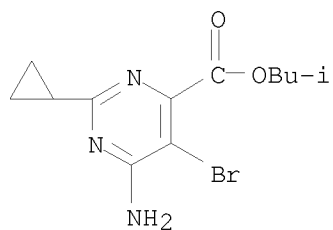
RN 858954-90-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, butyl ester  
(CA INDEX NAME)



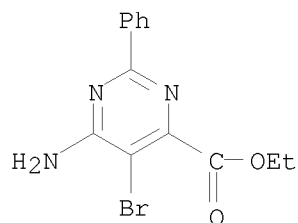
RN 858954-91-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-,  
2-methylpropyl ester (CA INDEX NAME)



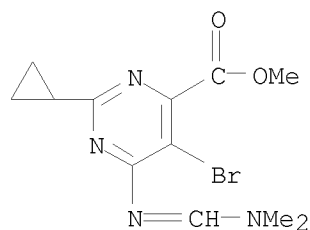
RN 858954-92-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-phenyl-, ethyl ester (CA INDEX NAME)



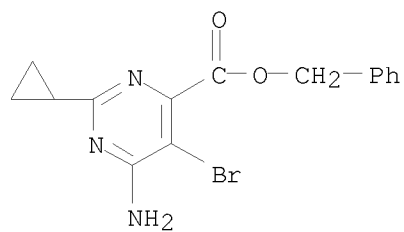
RN 858954-93-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[[dimethylamino)methylene]amino]-, methyl ester (CA INDEX NAME)



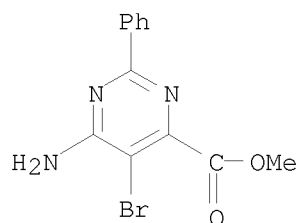
RN 858954-96-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, phenylmethyl ester (CA INDEX NAME)



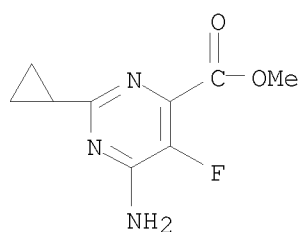
RN 858954-97-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-phenyl-, methyl ester (CA INDEX NAME)



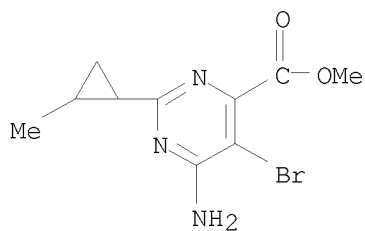
RN 858954-99-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, methyl ester  
(CA INDEX NAME)



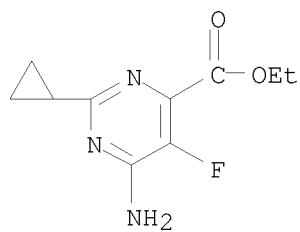
RN 858955-02-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2-methylcyclopropyl)-,  
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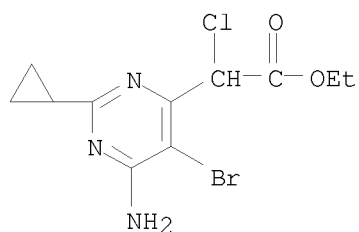
RN 858955-03-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-fluoro-, ethyl ester  
(CA INDEX NAME)



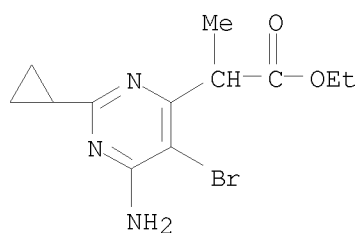
RN 858955-04-1 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo- $\alpha$ -chloro-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



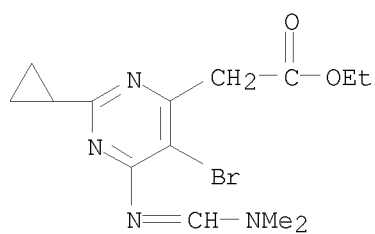
RN 858955-05-2 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-cyclopropyl- $\alpha$ -methyl-, ethyl ester (CA INDEX NAME)



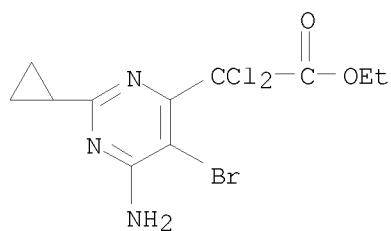
RN 858955-06-3 CAPLUS

CN 4-Pyrimidineacetic acid, 5-bromo-2-cyclopropyl-6-[[dimethylamino)methylene]amino]-, ethyl ester (CA INDEX NAME)



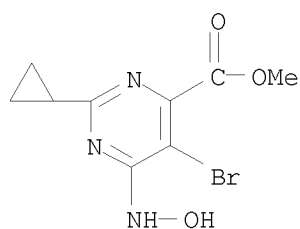
RN 858955-07-4 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo- $\alpha,\alpha$ -dichloro-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



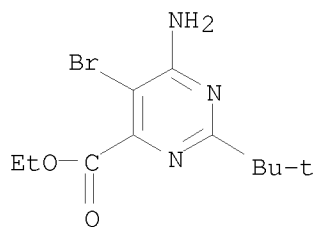
RN 858955-08-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(hydroxyamino)-, methyl ester (CA INDEX NAME)



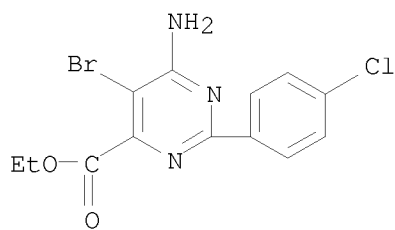
RN 858955-09-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(1,1-dimethylethyl)-, ethyl ester (CA INDEX NAME)



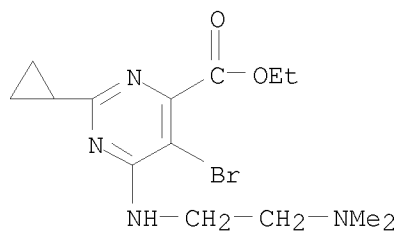
RN 858955-10-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



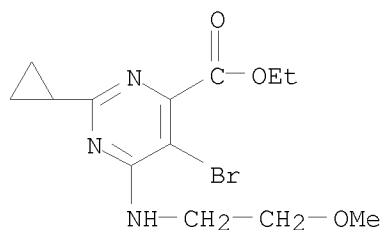
RN 858955-11-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[[2-(dimethylamino)ethyl]amino]-, ethyl ester (CA INDEX NAME)



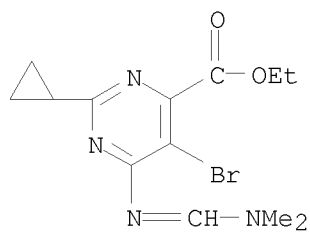
RN 858955-12-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(2-methoxyethyl)amino]-, ethyl ester (CA INDEX NAME)



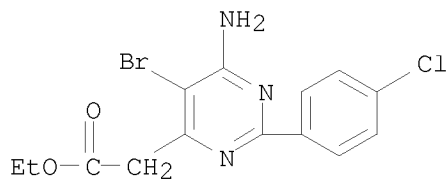
RN 858955-13-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[[[(dimethylamino)methylene]amino]-, ethyl ester (CA INDEX NAME)



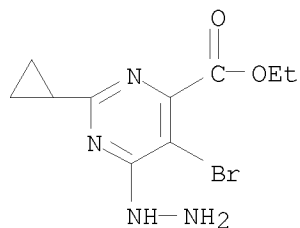
RN 858955-14-3 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



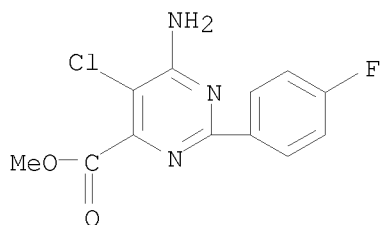
RN 858955-15-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-hydrazinyl-, ethyl ester (CA INDEX NAME)



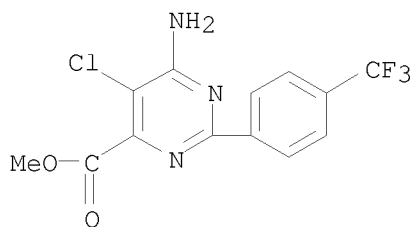
RN 858955-16-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-fluorophenyl)-, methyl ester (CA INDEX NAME)



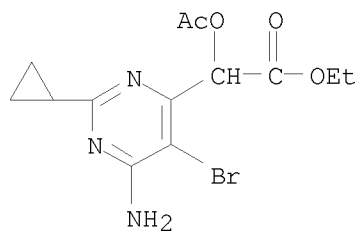
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(trifluoromethyl)phenyl]-, methyl ester (CA INDEX NAME)



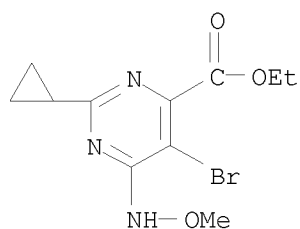
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CN 4-Pyrimidineacetic acid,  $\alpha$ -(acetyloxy)-6-amino-5-bromo-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



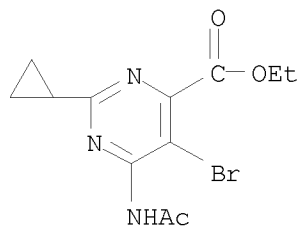
RN 858955-25-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(methoxyamino)-, ethyl ester (CA INDEX NAME)



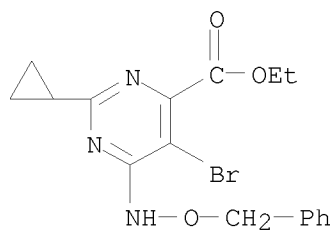
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CN 4-Pyrimidinecarboxylic acid, 6-(acetylamino)-5-bromo-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



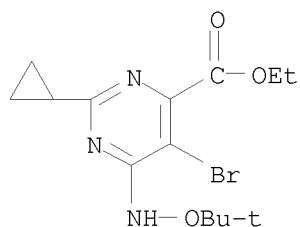
RN 858955-27-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(phenylmethoxy)amino]-, ethyl ester (CA INDEX NAME)



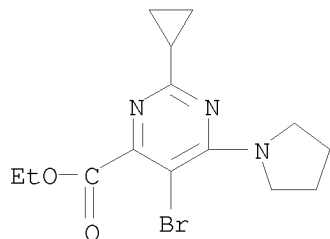
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-[(1,1-dimethylethoxy)amino]-, ethyl ester (CA INDEX NAME)



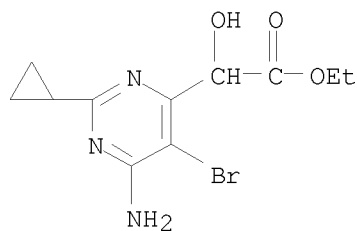
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CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(1-pyrrolidinyl)-, ethyl ester (CA INDEX NAME)



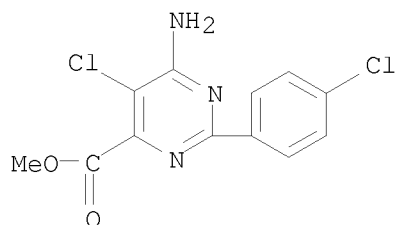
RN 858955-30-3 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-bromo-2-cyclopropyl- $\alpha$ -hydroxy-, ethyl ester (CA INDEX NAME)



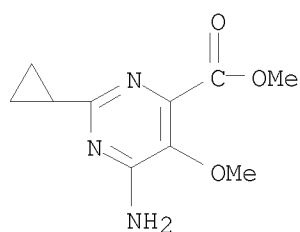
RN 858955-31-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



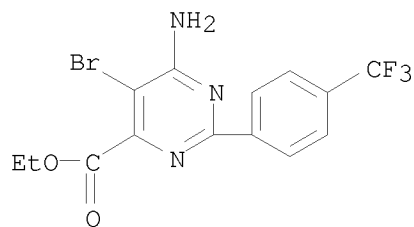
RN 858955-32-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-2-cyclopropyl-5-methoxy-, methyl ester (CA INDEX NAME)



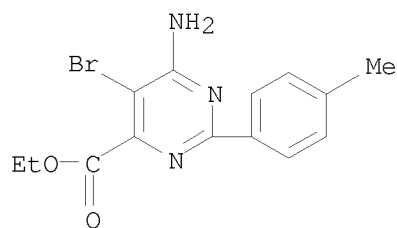
RN 858955-33-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



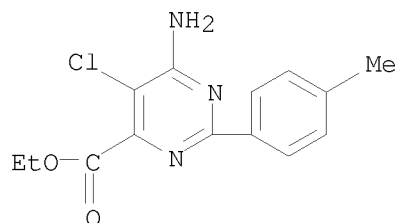
RN 858955-34-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-methylphenyl)-, ethyl ester (CA INDEX NAME)



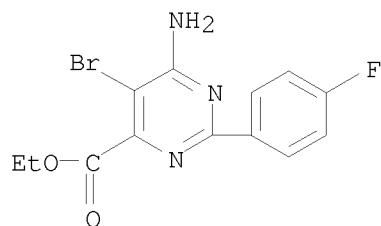
RN 858955-35-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-methylphenyl)-, ethyl ester (CA INDEX NAME)



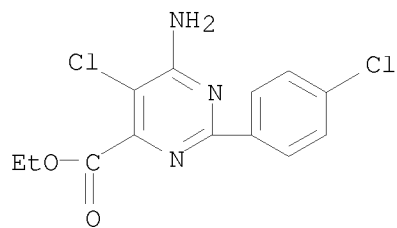
RN 858955-36-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-fluorophenyl)-, ethyl ester (CA INDEX NAME)



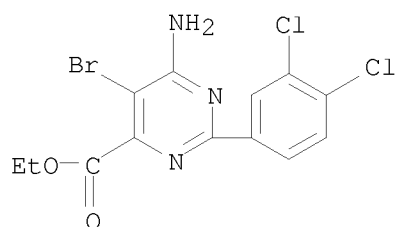
RN 858955-37-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, ethyl ester (CA INDEX NAME)



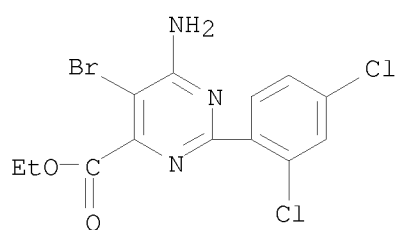
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3,4-dichlorophenyl)-, ethyl ester (CA INDEX NAME)



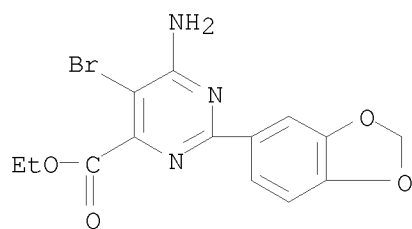
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(2,4-dichlorophenyl)-, ethyl ester (CA INDEX NAME)



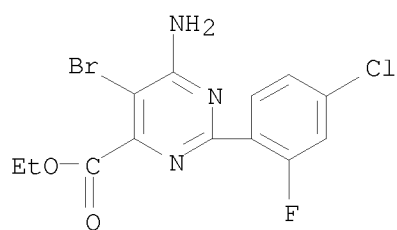
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(1,3-benzodioxol-5-yl)-5-bromo-, ethyl ester (CA INDEX NAME)



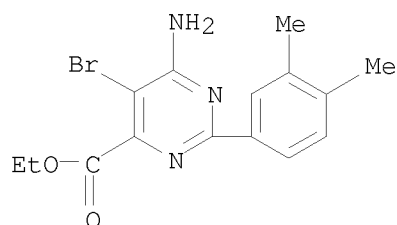
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chloro-2-fluorophenyl)-, ethyl ester (CA INDEX NAME)

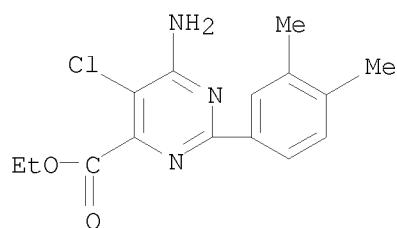


RN 858955-43-8 CAPLUS

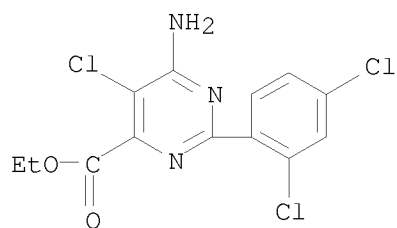
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(3,4-dimethylphenyl)-,  
ethyl ester (CA INDEX NAME)



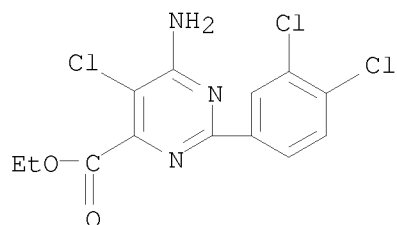
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3,4-dimethylphenyl)-,  
ethyl ester (CA INDEX NAME)



RN 858955-45-0 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2,4-dichlorophenyl)-,  
ethyl ester (CA INDEX NAME)

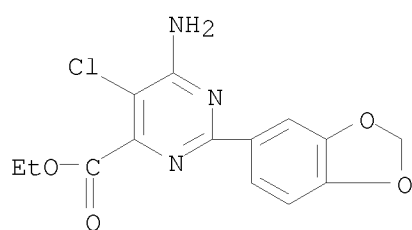


RN 858955-46-1 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3,4-dichlorophenyl)-,  
ethyl ester (CA INDEX NAME)



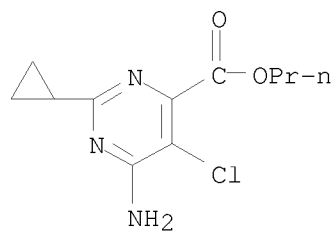
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CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(1,3-benzodioxol-5-yl)-5-chloro-, ethyl ester (CA INDEX NAME)



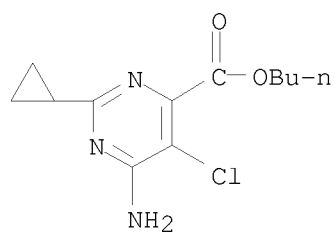
RN 858955-48-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, propyl ester (CA INDEX NAME)



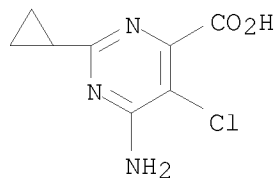
RN 858955-49-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, butyl ester (CA INDEX NAME)



RN 858955-50-7 CAPLUS

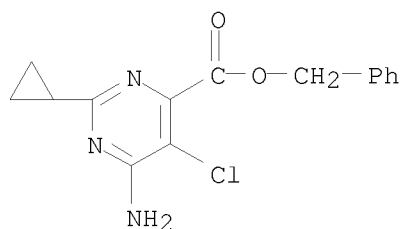
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, sodium salt  
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● Na

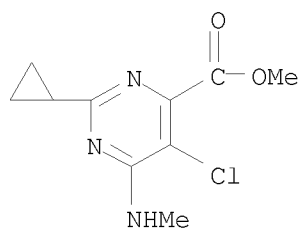
RN 858955-51-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, phenylmethyl ester (CA INDEX NAME)



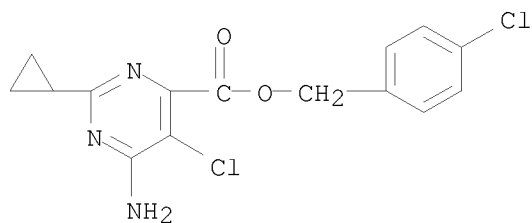
RN 858955-52-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-6-(methylamino)-, methyl ester (CA INDEX NAME)



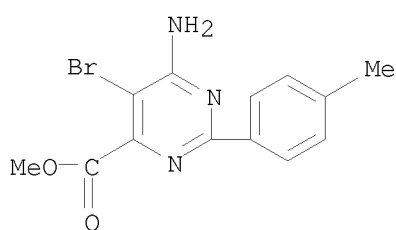
RN 858955-53-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, (4-chlorophenyl)methyl ester (CA INDEX NAME)



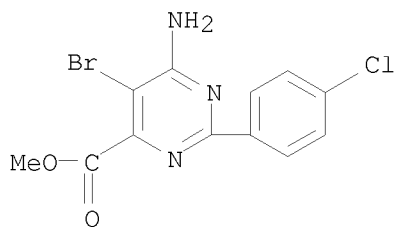
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-methylphenyl)-, methyl ester (CA INDEX NAME)



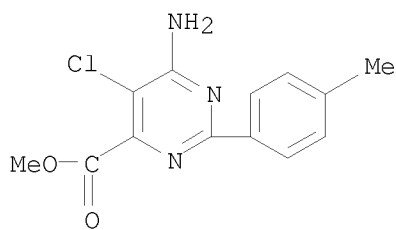
RN 858955-56-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)-, methyl ester (CA INDEX NAME)



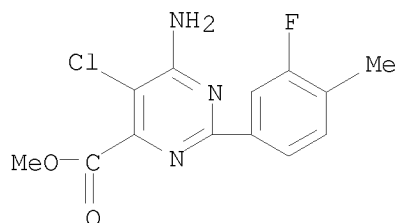
RN 858955-57-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-methylphenyl)-, methyl ester (CA INDEX NAME)



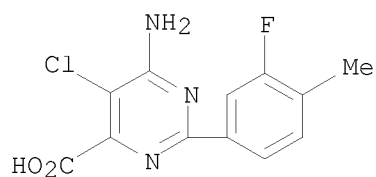
RN 858955-59-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-fluoro-4-methylphenyl)-, methyl ester (CA INDEX NAME)



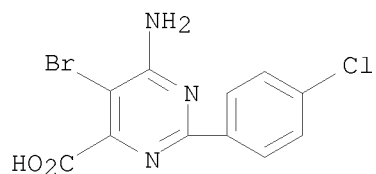
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CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-fluoro-4-methylphenyl)- (CA INDEX NAME)



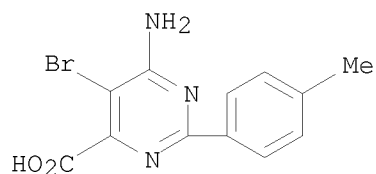
RN 858955-61-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-chlorophenyl)- (CA INDEX NAME)



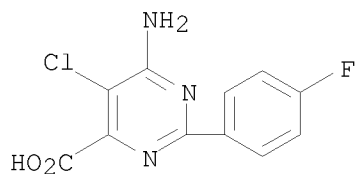
RN 858955-62-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-methylphenyl)- (CA INDEX NAME)



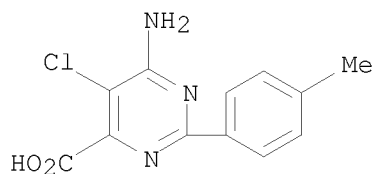
RN 858955-63-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-fluorophenyl)- (CA INDEX NAME)



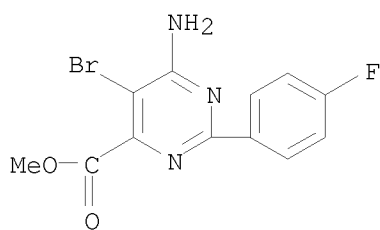
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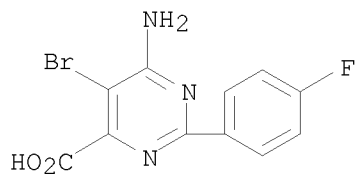
RN 858955-65-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-fluorophenyl)-, methyl ester (CA INDEX NAME)



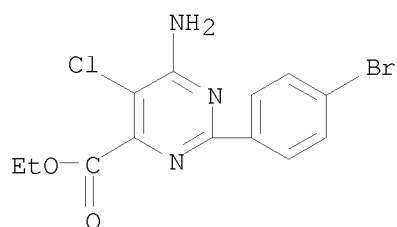
RN 858955-66-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-fluorophenyl)- (CA INDEX NAME)

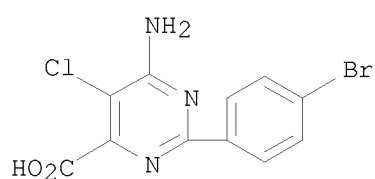


RN 858955-67-6 CAPLUS

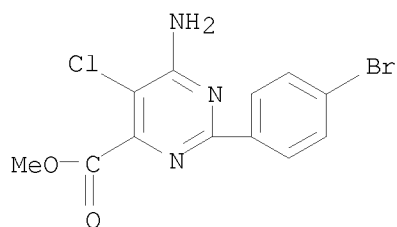
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, ethyl ester (CA INDEX NAME)



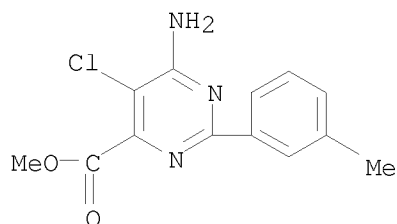
RN 858955-68-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro- (CA INDEX NAME)



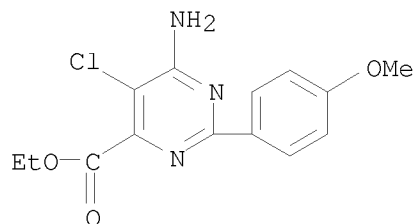
RN 858955-69-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-bromophenyl)-5-chloro-, methyl ester (CA INDEX NAME)



RN 858955-70-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-methylphenyl)-, methyl ester (CA INDEX NAME)

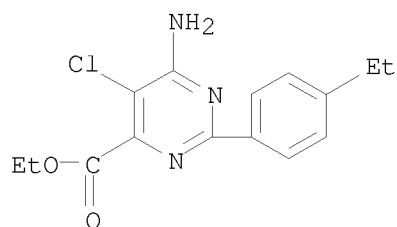


RN 858955-71-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-methoxyphenyl)-, ethyl ester (CA INDEX NAME)



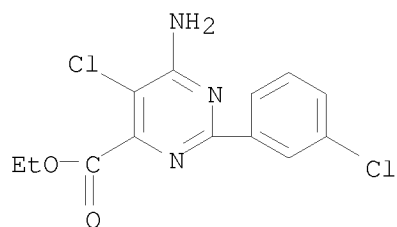
RN 858955-72-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-ethylphenyl)-, ethyl ester (CA INDEX NAME)



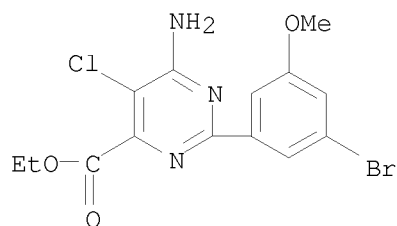
RN 858955-73-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(3-chlorophenyl)-, ethyl ester (CA INDEX NAME)

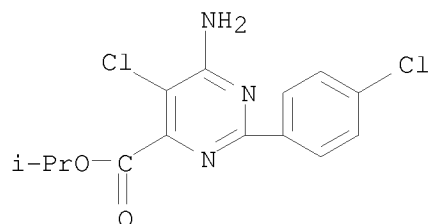


RN 858955-74-5 CAPLUS

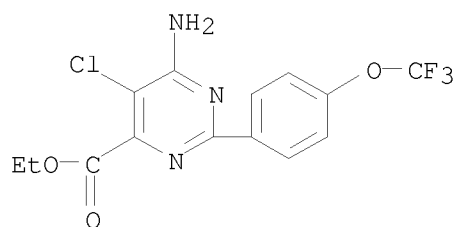
CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(3-bromo-5-methoxyphenyl)-5-chloro-, ethyl ester (CA INDEX NAME)



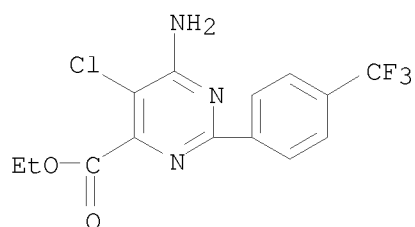
RN 858955-75-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
 1-methylethyl ester (CA INDEX NAME)



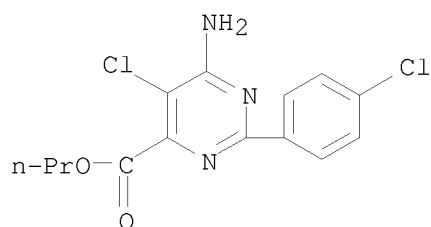
RN 858955-76-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(trifluoromethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



RN 858955-77-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)

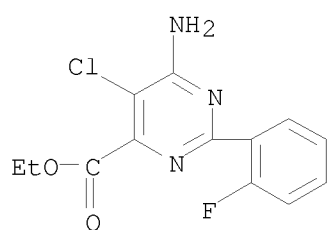


RN 858955-78-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, propyl ester (CA INDEX NAME)



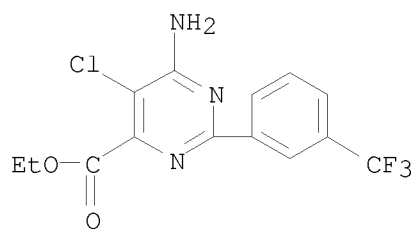
RN 858955-79-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-fluorophenyl)-, ethyl ester (CA INDEX NAME)



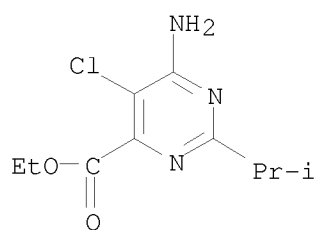
RN 858955-80-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



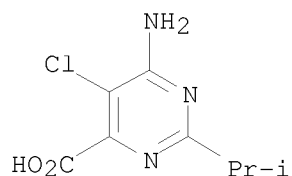
RN 858955-81-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylethyl)-, ethyl ester (CA INDEX NAME)



RN 858955-82-5 CAPLUS

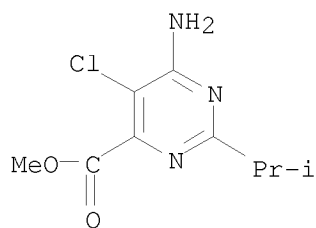
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylethyl)-, sodium salt (1:1) (CA INDEX NAME)



● Na

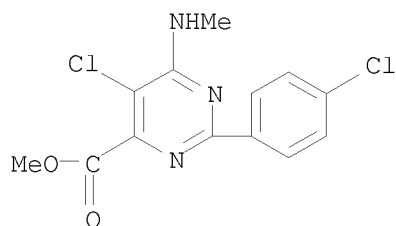
RN 858955-83-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(1-methylethyl)-, methyl ester (CA INDEX NAME)



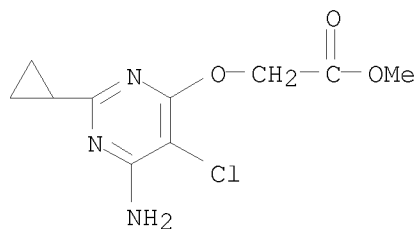
RN 858955-84-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-(4-chlorophenyl)-6-(methylamino)-, methyl ester (CA INDEX NAME)



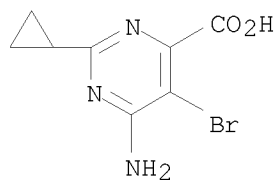
RN 858955-85-8 CAPLUS

CN Acetic acid, 2-[(6-amino-5-chloro-2-cyclopropyl-4-pyrimidinyl)oxy]-, methyl ester (CA INDEX NAME)



RN 858955-86-9 CAPLUS

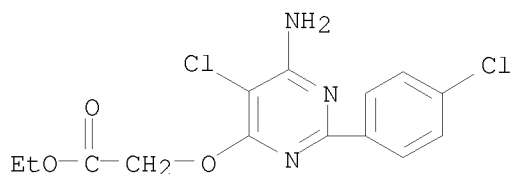
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-cyclopropyl-, sodium salt  
(1:1) (CA INDEX NAME)



● Na

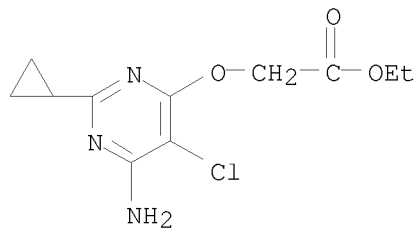
RN 858955-87-0 CAPLUS

CN Acetic acid, 2-[[6-amino-5-chloro-2-(4-chlorophenyl)-4-pyrimidinyl]oxy]-,  
ethyl ester (CA INDEX NAME)



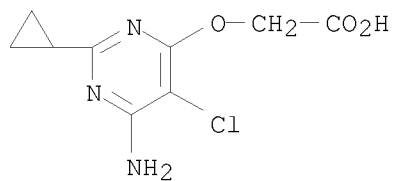
RN 858955-88-1 CAPLUS

CN Acetic acid, 2-[(6-amino-5-chloro-2-cyclopropyl-4-pyrimidinyl)oxy]-, ethyl  
ester (CA INDEX NAME)



RN 858955-89-2 CAPLUS

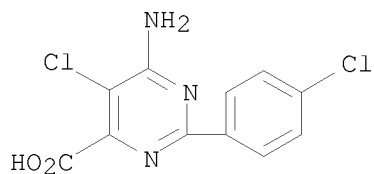
CN Acetic acid, 2-[(6-amino-5-chloro-2-cyclopropyl-4-pyrimidinyl)oxy]-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 858955-90-5 CAPLUS

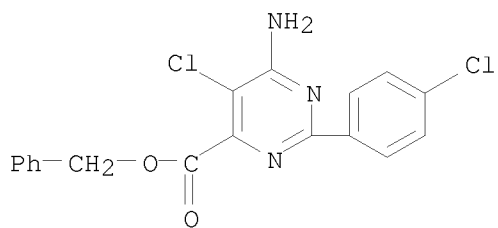
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, sodium salt (1:1) (CA INDEX NAME)



● Na

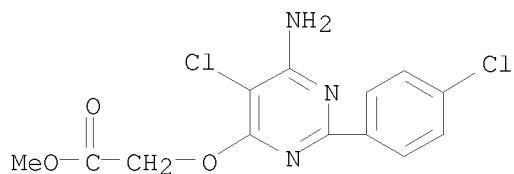
RN 858955-91-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, phenylmethyl ester (CA INDEX NAME)



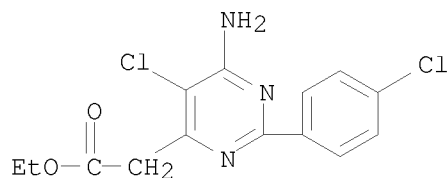
RN 858955-92-7 CAPLUS

CN Acetic acid, 2-[[6-amino-5-chloro-2-(4-chlorophenyl)-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



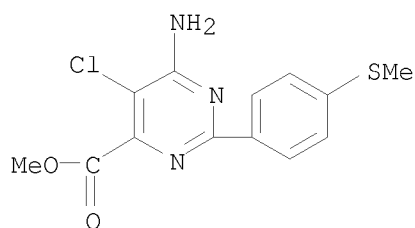
RN 858955-93-8 CAPLUS

CN 4-Pyrimidineacetic acid, 6-amino-5-chloro-2-(4-chlorophenyl)-, ethyl ester  
(CA INDEX NAME)



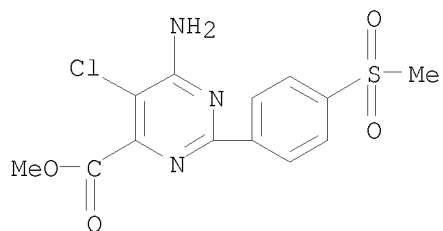
RN 858955-94-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(methylthio)phenyl]-,  
methyl ester (CA INDEX NAME)



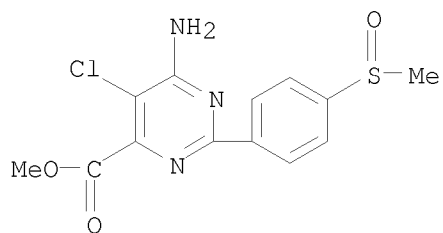
RN 858955-95-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(methylsulfonyl)phenyl]-,  
methyl ester (CA INDEX NAME)



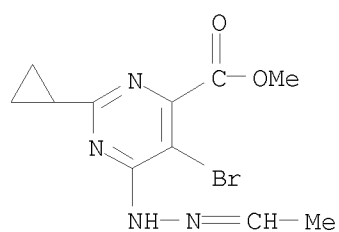
RN 858955-96-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-[4-(methylsulfinyl)phenyl]-,  
methyl ester (CA INDEX NAME)



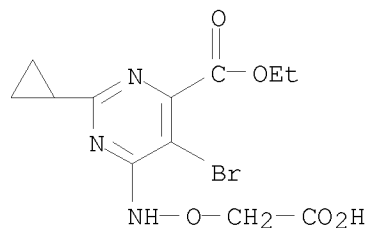
RN 858955-97-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-6-(2-ethylidenehydrazinyl)-, methyl ester (CA INDEX NAME)



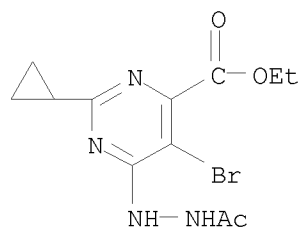
RN 858955-98-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-6-[(carboxymethoxy)amino]-2-cyclopropyl-, 4-ethyl ester (CA INDEX NAME)



RN 858955-99-4 CAPLUS

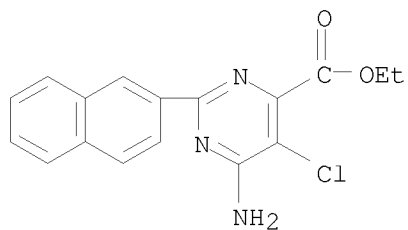
CN 4-Pyrimidinecarboxylic acid, 6-(2-acetylhydrazinyl)-5-bromo-2-cyclopropyl-, ethyl ester (CA INDEX NAME)



RN 858956-00-0 CAPLUS

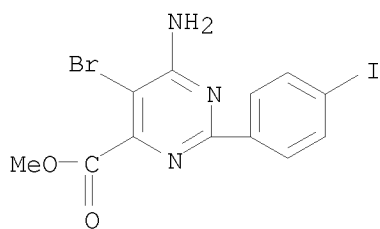
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(2-naphthalenyl)-, ethyl

ester (CA INDEX NAME)



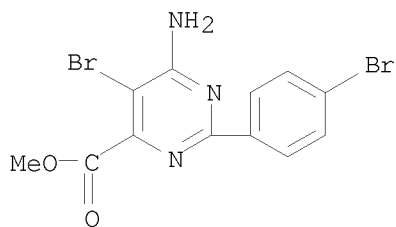
RN 858956-01-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-iodophenyl)-, methyl ester (CA INDEX NAME)



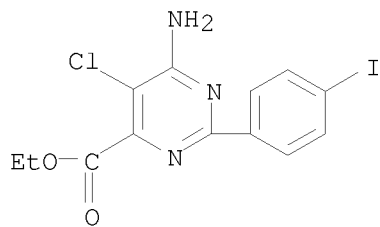
RN 858956-02-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-bromophenyl)-, methyl ester (CA INDEX NAME)

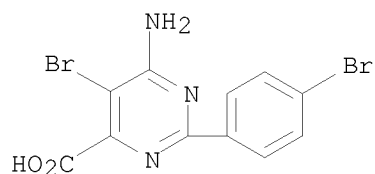


RN 858956-06-6 CAPLUS

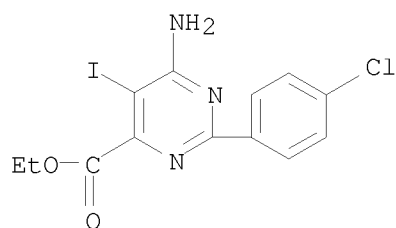
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-(4-iodophenyl)-, ethyl ester (CA INDEX NAME)



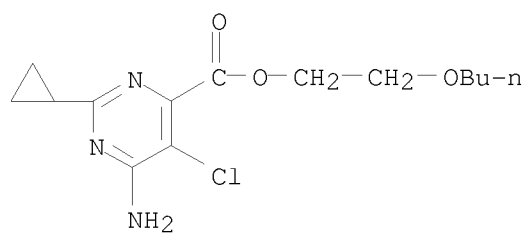
RN 858956-09-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-bromo-2-(4-bromophenyl)- (CA INDEX NAME)



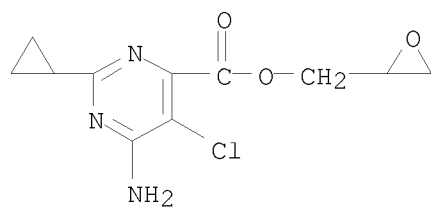
RN 858956-10-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-2-(4-chlorophenyl)-5-iodo-, ethyl ester (CA INDEX NAME)



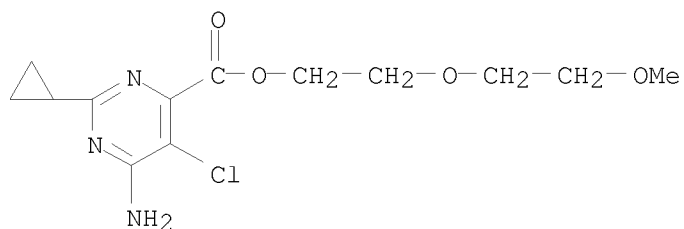
RN 858956-12-4 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-butoxyethyl ester (CA INDEX NAME)



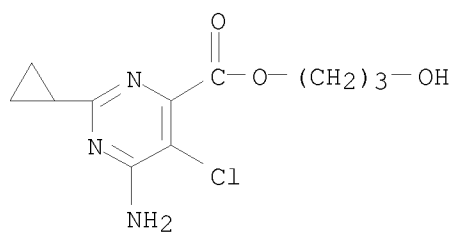
RN 858956-13-5 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-oxiranylmethyl ester (CA INDEX NAME)



RN 858956-14-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 2-(2-methoxyethoxy)ethyl ester (CA INDEX NAME)



RN 858956-15-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
 3-hydroxypropyl ester (CA INDEX NAME)

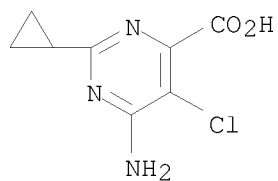


RN 858956-16-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
 2-propanamine (1:1) (CA INDEX NAME)

CM 1

CRN 858956-08-8

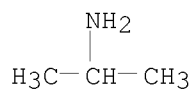
CMF C8 H8 Cl N3 O2



CM 2

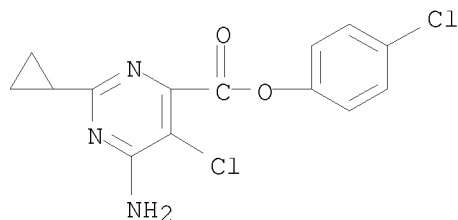
CRN 75-31-0

CMF C3 H9 N



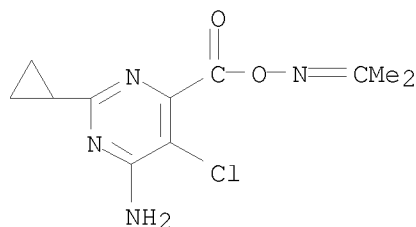
RN 858956-17-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
4-chlorophenyl ester (CA INDEX NAME)



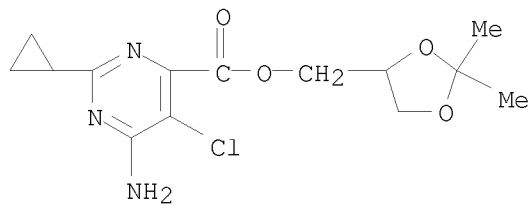
RN 858956-18-0 CAPLUS

CN 2-Propanone, O-[(6-amino-5-chloro-2-cyclopropyl-4-pyrimidinyl)carbonyl]oxime (CA INDEX NAME)



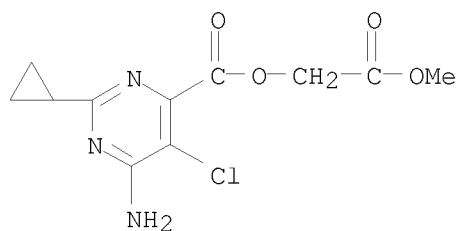
RN 858956-19-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
(2,2-dimethyl-1,3-dioxolan-4-yl)methyl ester (CA INDEX NAME)



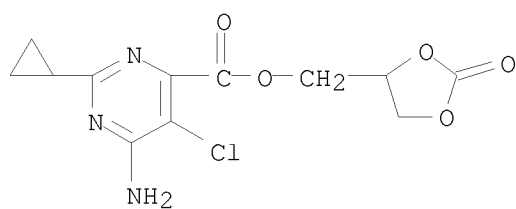
RN 858956-20-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
2-methoxy-2-oxoethyl ester (CA INDEX NAME)



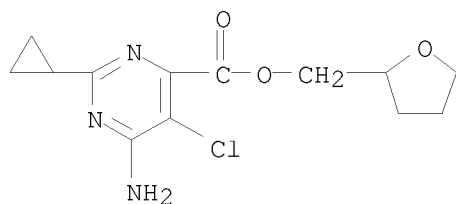
RN 858956-21-5 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
(2-oxo-1,3-dioxolan-4-yl)methyl ester (CA INDEX NAME)



RN 858956-22-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
(tetrahydro-2-furanyl)methyl ester (CA INDEX NAME)



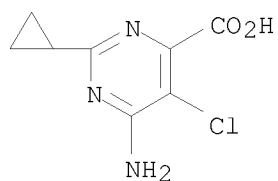
RN 858956-29-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
cyclohexanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2

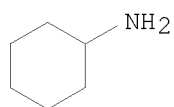


10/581,897

CM 2

CRN 108-91-8

CMF C6 H13 N



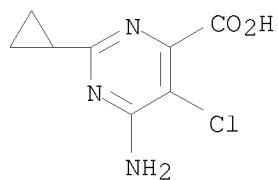
RN 858956-30-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with morpholine (1:1) (CA INDEX NAME)

CM 1

CRN 858956-08-8

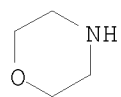
CMF C8 H8 Cl N3 O2



CM 2

CRN 110-91-8

CMF C4 H9 N O



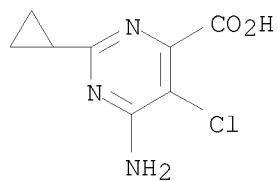
RN 858956-31-7 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with 2,2'-iminobis[ethanol] (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2



CM 2

CRN 111-42-2

CMF C4 H11 N O2



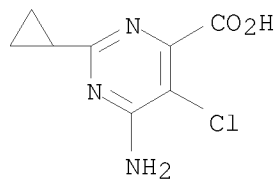
RN 858956-32-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 858956-08-8

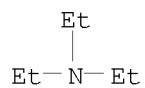
CMF C8 H8 Cl N3 O2



CM 2

CRN 121-44-8

CMF C6 H15 N



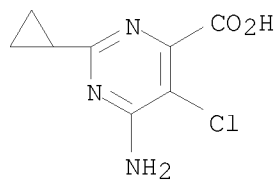
RN 858956-33-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
pyridine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2



CM 2

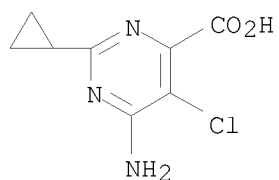
CRN 110-86-1

CMF C5 H5 N



RN 858956-34-0 CAPLUS

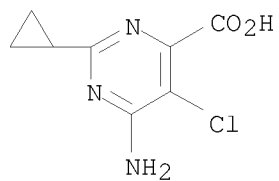
CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

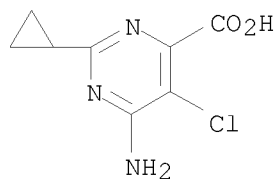
RN 858956-35-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, potassium salt (1:1) (CA INDEX NAME)



● K

RN 858956-36-2 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, cesium salt  
 (1:1) (CA INDEX NAME)

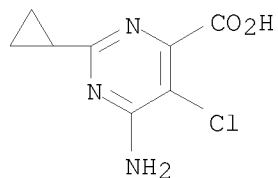


● Cs

RN 858956-40-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
 2-aminoethanol (1:1) (CA INDEX NAME)

CM 1

CRN 858956-08-8  
 CMF C8 H8 Cl N3 O2



CM 2

CRN 141-43-5  
 CMF C2 H7 N O

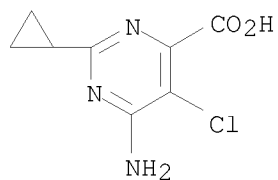
H<sub>2</sub>N—CH<sub>2</sub>—CH<sub>2</sub>—OH

RN 858956-41-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
 2,2',2''-nitrilotris[ethanol] (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 858956-08-8  
 CMF C8 H8 Cl N3 O2

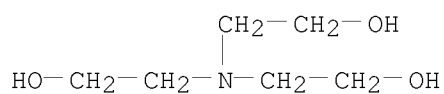
10/581,897



CM 2

CRN 102-71-6

CMF C6 H15 N O3



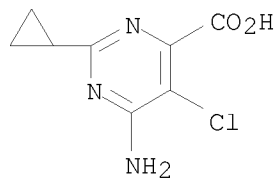
RN 858956-42-0 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, compd. with  
N-methylmethanamine (1:1) (CA INDEX NAME)

CM 1

CRN 858956-08-8

CMF C8 H8 Cl N3 O2



CM 2

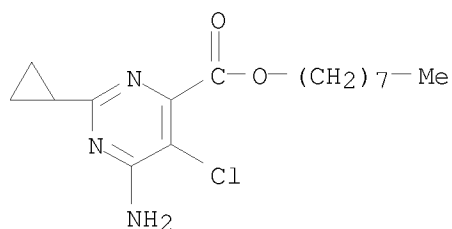
CRN 124-40-3

CMF C2 H7 N



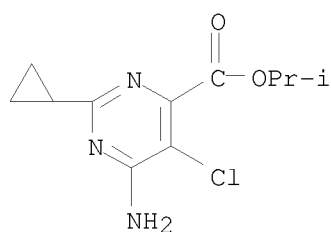
RN 858956-43-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, octyl ester  
(CA INDEX NAME)



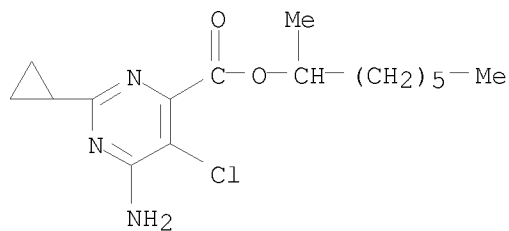
RN 858956-44-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
1-methylethyl ester (CA INDEX NAME)



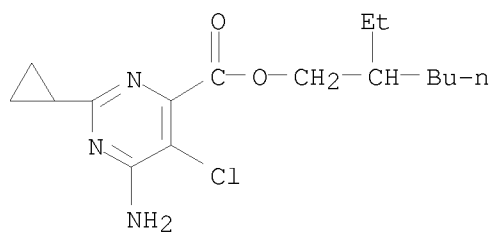
RN 858956-45-3 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-,  
1-methylheptyl ester (CA INDEX NAME)



RN 858956-46-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 6-amino-5-chloro-2-cyclopropyl-, 2-ethylhexyl  
ester (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

10/581,897

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 1980:41984 CAPLUS  
 DN 92:41984  
 OREF 92:7009a,7012a  
 TI 2-Phenyl-4-hydroxy-6-methylpyrrolo[3,2-d]pyrimidine  
 IN Sokolova, V. N.; Novitskii, K. Yu.  
 PA Ordzhonikidze, S., All-Union Scientific-Research Chemical-Pharmaceutical  
 Institute, USSR  
 SO U.S.S.R.  
 From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1979, (37), 90.  
 CODEN: URXXAF  
 DT Patent  
 LA Russian  
 FAN.CNT 1

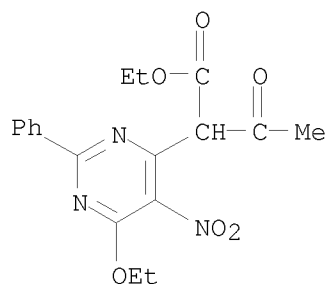
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 690016	A1	19791005	SU 1977-2521258	19770803
PRAI	SU 1977-2521258	A	19770803		

AB Title compound was prepared by reacting  
 2-phenyl-4-ethoxy-5-nitro-6-[1-(ethoxycarbonyl)-2-oxopropyl]pyrimidine  
 with Zn in HOAc at 60-90° followed by refluxing the resulting  
 2-phenyl-4-ethoxy-6-methyl-7-(ethoxycarbonyl)pyrrolo[3,2-d]pyrimidine with  
 HCl.

IT 72168-65-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reductive cyclization of)

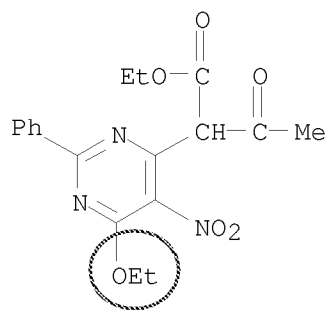
RN 72168-65-1 CAPLUS

CN 4-Pyrimidineacetic acid,  $\alpha$ -acetyl-6-ethoxy-5-nitro-2-phenyl-, ethyl  
 ester (CA INDEX NAME)



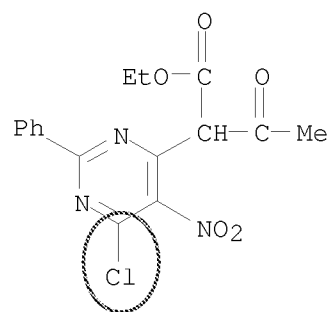
Compound according to claim 1 may have a -OEt at the 5-position and -NO2 at the 6-position. A 103 rejection (positional isomers) can NOT be made because the reference compound is disclosed as a starting reagent to prepare pyrrolo[3,2-d]pyrimidines. No other utility is found in the reference. In re Lalu.

L10 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 1980:15521 CAPLUS  
 DN 92:15521  
 OREF 92:2575a,2578a  
 TI Study of pyrrolo[3,2-d]pyrimidine. III  
 AU Sokolova, V. N.; Modnikova, G. A.; Novitskii, K. Yu.; Kravchenko, A. I.; Chernov, V. A.; Shcherbakova, L. I.; Pershin, G. N.  
 CS Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, USSR  
 SO Khimiko-Farmatsevticheskii Zhurnal (1979), 13(9), 17-22  
 CODEN: KHFZAN; ISSN: 0023-1134  
 DT Journal  
 LA Russian  
 OS CASREACT 92:15521  
 AB 2-Phenyl-4-mercapto-6-methylpyrrolo[3,2-d]pyrimidine (I) [72168-74-2] inhibited growth of *Lactobacillus casei* in vitro at 1-10 µg/mL and of *Mycobacterium tuberculosis* at 4 µg/mL. In expts. in vivo, I was active against sarcoma in mice and rats, but not against leukemia in mice. The other 6 4-alkylamino-2-phenyl-6-methylpyrrolo[3,2-d]pyrimidines and 11 4-alkyl(aralkyl)thio-2-phenyl-6-methylpyrrolo[3,2-d]pyrimidines prepared and tested showed no antibacterial activity, with the exception of 4-isobutylamino-2-phenyl-6-methylpyrrolo[3,2-d]pyrimidine [72168-70-8] which was weakly active.  
 IT 72168-65-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)  
 RN 72168-65-1 CAPLUS  
 CN 4-Pyrimidineacetic acid, α-acetyl-6-ethoxy-5-nitro-2-phenyl-, ethyl ester (CA INDEX NAME)

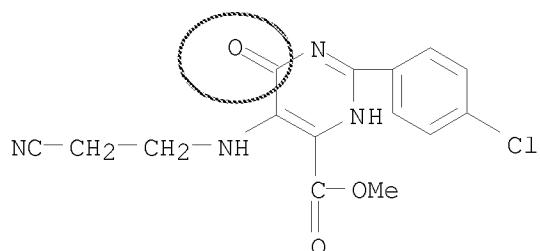


IT 72176-36-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and ethoxylation of)  
 RN 72176-36-4 CAPLUS  
 CN 4-Pyrimidineacetic acid, α-acetyl-6-chloro-5-nitro-2-phenyl-, ethyl ester (CA INDEX NAME)

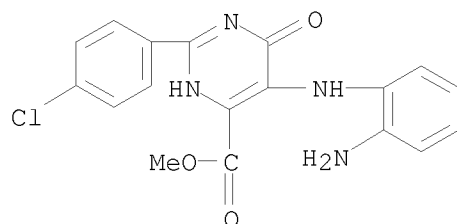
10/581,897



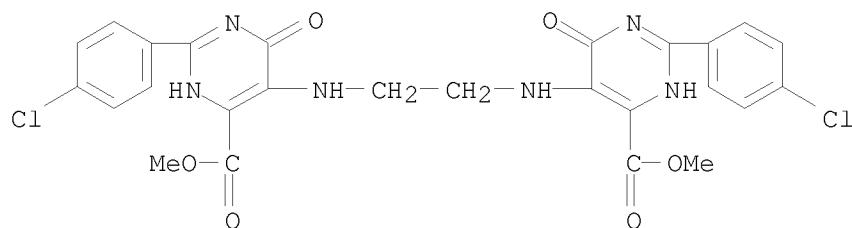
L10 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 1979:420462 CAPLUS  
 DN 91:20462  
 OREF 91:3425a,3428a  
 TI Synthesis of 1,2,4-oxadiazines and their rearrangement to pyrimidines  
 AU Santilli, Arthur A.; Scotese, Anthony C.  
 CS Res. Dev. Div., Wyeth Lab., Inc., Radnor, PA, 19087, USA  
 SO Journal of Heterocyclic Chemistry (1979), 16(2), 213-16  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DT Journal  
 LA English  
 OS CASREACT 91:20462  
 AB Several amide oximes underwent condensation reactions with  
 MeO2CC.tplbond.CC02Me to give 1:1 adducts. Under basic conditions, these  
 adducts underwent ring closure to give several Me  
 [3-(substituted)-4,5-dihydro-5-oxo-6H-1,2,4-oxadiazin-6-ylidene]acetates,  
 e.g. I. The reactions of these compds. with a variety of amines resulted  
 in addition-rearrangement reactions with the formation of the corresponding  
 Me 2-substituted-5-substituted amino-1,6-dihydro-6-oxo-4-  
 pyrimidinecarboxylates.  
 IT 70274-26-9P 70274-27-0P 70274-28-1P  
 70274-29-2P 70472-25-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 70274-26-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 2-(4-chlorophenyl)-5-[(2-cyanoethyl)amino]-  
 1,6-dihydro-6-oxo-, methyl ester (CA INDEX NAME)



RN 70274-27-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-[(2-aminophenyl)amino]-2-(4-chlorophenyl)-  
 1,6-dihydro-6-oxo-, methyl ester (CA INDEX NAME)

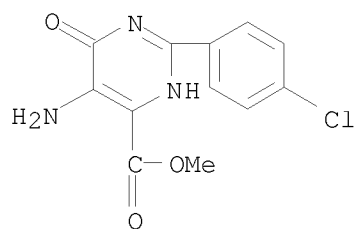


RN 70274-28-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5,5'-(1,2-ethanediyl-diimino)bis[2-(4-  
 chlorophenyl)-1,6-dihydro-6-oxo-, dimethyl ester (9CI) (CA INDEX NAME)



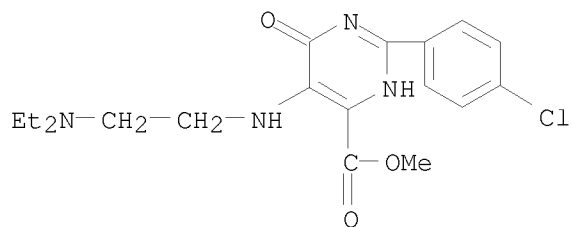
RN 70274-29-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-amino-2-(4-chlorophenyl)-1,6-dihydro-6-oxo-, methyl ester (CA INDEX NAME)



RN 70472-25-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 2-(4-chlorophenyl)-5-[[2-(diethylamino)ethyl]amino]-1,6-dihydro-6-oxo-, methyl ester (CA INDEX NAME)



L10 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1969:449899 CAPLUS

DN 71:49899

OREF 71:9173a,9176a

TI Heterocyclic studies. VIII. 2-Phenylpteridine and some related compounds

AU Clark, Jim; Murdoch, P. N. T.; Roberts, D. L.

CS Univ. Salford, Salford, UK

SO Journal of the Chemical Society [Section] C: Organic (1969), (10), 1408-12

CODEN: JSOOAX; ISSN: 0022-4952

DT Journal

LA English

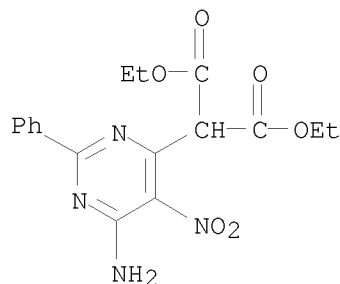
AB Syntheses of 2-phenylpteridine (I) and its 4- and 7-monomethyl, 4,7- and 6,7-dimethyl, and 4,6,7-trimethyl derivs. are described. Oxidation of 2-phenyl-, 7-methyl-2-phenyl-, and 6,7-dimethyl-2-phenylpteridines with H<sub>2</sub>O<sub>2</sub> in acetic acid gave the corresponding 4-hydroxy derivs. Further oxidation of 4-hydroxy-2-phenylpteridine gave 4,6,7-trihydroxy-2-phenylpteridine. In acid solution, 2-phenylpteridine gave a mixture of 3,4-monohydrated and 5,6,7,8-dihydrated cations which rapidly changed to a solution almost free of the monohydrate. 4-Methyl- and 4,7-dimethyl-2-phenylpteridines also gave essentially all 5,6,7,8-dihydrated cations but mainly 3,4-hydrated species were present in the equilibrium mixts. of cations formed from 7-methyl- and 6,7-dimethyl-2-phenylpteridine. <sup>1</sup>H N.M.R. and uv spectra and pK<sub>a</sub> values are recorded.

IT 23124-05-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 23124-05-2 CAPLUS

CN Propanedioic acid, 2-(6-amino-5-nitro-2-phenyl-4-pyrimidinyl)-, 1,3-diethyl ester (CA INDEX NAME)



proviso (f)

10/581,897

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

80.46

268.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

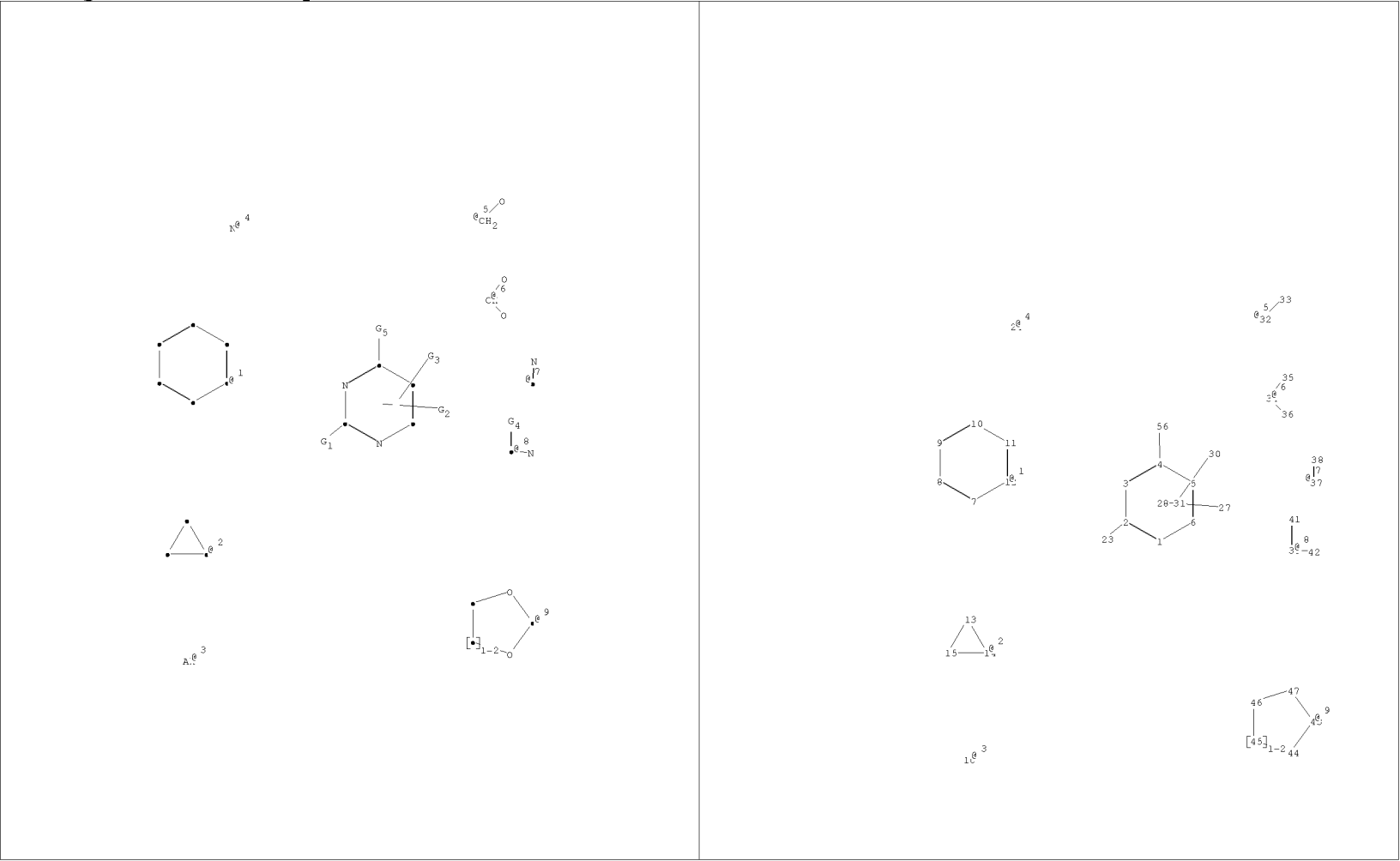
SESSION

CA SUBSCRIBER PRICE

-11.48

-11.48

STN INTERNATIONAL LOGOFF AT 18:36:15 ON 16 FEB 2009



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chain nodes :
  16 23 27 30 32 33 34 35 36 37 38 39 41 42 56
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 43 44 45 46 47
ring/chain nodes :
  24
chain bonds :
  2-23 4-56 32-33 34-35 34-36 37-38 39-41 39-42
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-15 14-15 43-44
  43-47 44-45 45-46 46-47
exact/norm bonds :
  2-23 4-56 34-35 34-36 37-38 39-41 39-42
exact bonds :
  13-14 13-15 14-15 32-33 43-44 43-47 44-45 45-46 46-47
normalized bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
isolated ring systems :
  containing 1 : 13 : 43 :

```

G1:[\*1],[\*2],[\*3]

G2:NO2,[\*4]

G3:CN,NO2,O,S,N,Cl,Br,F,I

G4:O,S

G5:CHO,[\*5],[\*6],[\*7],[\*8],[\*9]

```

Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
  12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 23:CLASS 24:CLASS 27:CLASS 28:Atom 30:CLASS
  31:Atom 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS
  41:CLASS

```

42:CLASS 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 56:CLASS  
Generic attributes :  
16:  
Saturation : Saturated  
Number of Carbon Atoms : less than 7

Element Count :  
Node 16: Limited  
C,C2-4

10/581,897

=> ....Testing the current file.... screen

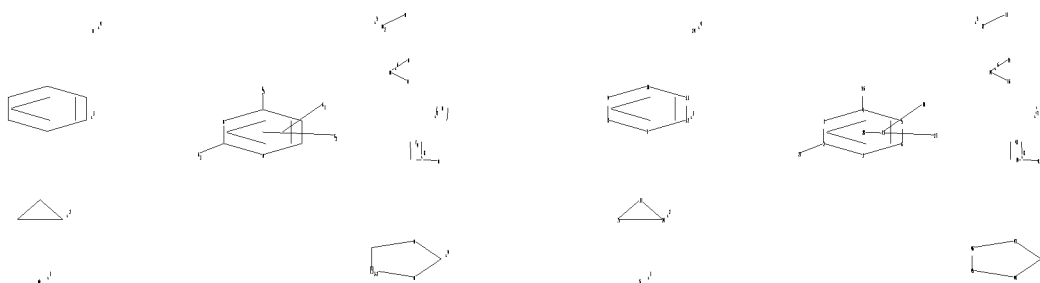
ENTER SCREEN EXPRESSION OR (END):end

=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10581897 (claim 2).str



chain nodes :  
 16 23 27 30 32 33 34 35 36 37 38 39 41 42 56  
 ring nodes :  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 43 44 45 46 47  
 ring/chain nodes :  
 24  
 chain bonds :  
 2-23 4-56 32-33 34-35 34-36 37-38 39-41 39-42

ring bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-15  
 14-15 43-44 43-47 44-45 45-46 46-47  
 exact/norm bonds :  
 2-23 4-56 34-35 34-36 37-38 39-41 39-42  
 exact bonds :  
 13-14 13-15 14-15 32-33 43-44 43-47 44-45 45-46 46-47  
 normalized bonds :  
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
 isolated ring systems :  
 containing 1 : 13 : 43 :

G1:[\*1],[\*2],[\*3]

G2:NO2,[\*4]

G3:CN,NO2,O,S,N,Cl,Br,F,I

G4:O,S

G5:CHO,[\*5],[\*6],[\*7],[\*8],[\*9]

Match level :  
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 23:CLASS 24:CLASS 27:CLASS  
 28:Atom 30:CLASS 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS  
 37:CLASS 38:CLASS 39:CLASS 41:CLASS 42:CLASS 43:Atom 44:Atom 45:Atom  
 46:Atom 47:Atom 56:CLASS  
 Generic attributes :  
 16:  
 Saturation : Saturated  
 Number of Carbon Atoms : less than 7

Element Count :  
 Node 16: Limited  
 C,C2-4

L2 STRUCTURE UPLOADED

=> que L2 NOT L1

L3 QUE L2 NOT L1

=> d 13

L3 HAS NO ANSWERS

L1 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L2 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

10/581,897

L3                    QUE   L2 NOT L1

=> s 13 sss sam  
SAMPLE SEARCH INITIATED 10:34:00 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -        2594 TO ITERATE

77.1% PROCESSED        2000 ITERATIONS                    3 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                             BATCH   \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:        48825 TO        54935  
PROJECTED ANSWERS:                3 TO        195

L4                    3 SEA SSS SAM L2 NOT L1

=> => s 13 sss ful  
FULL SEARCH INITIATED 10:34:27 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED -        53963 TO ITERATE

100.0% PROCESSED        53963 ITERATIONS                    93 ANSWERS  
SEARCH TIME: 00.00.02

L5                    93 SEA SSS FUL L2 NOT L1

=> => s 15  
L6                    5 L5

=> d 16 1-5 bib,ab,hitstr

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2008:530173 CAPLUS  
 DN 148:517742  
 TI Heteroaryl compounds, compositions thereof, preparation and use thereof as  
 protein kinase inhibitors  
 IN Mortensen, Deborah Sue; Mederos, Maria Mercedes Delgado; Sapienza, John  
 Joseph; Albers, Ronald J.; Lee, Branden G.; Huang, Dehua; Schwarz,  
 Kimberly Lyn; Parnes, Jason Simon; Riggs, Jennifer R.; Papa, Patrick  
 William  
 PA Signal Pharmaceuticals, LLC, USA  
 SO PCT Int. Appl., 244pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008051494	A1	20080502	WO 2007-US22375	20071018
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM US 20090042890 A1 20090212 US 2007-975657 20071018 PRAI US 2006-853135P P 20061019				

OS MARPAT 148:517742

AB Provided herein are heteroaryl compds. having the following structure I, comprising an effective amount of a heteroaryl compound and methods for treating or preventing cancer, inflammatory conditions, immunol. conditions, metabolic conditions and conditions treatable or preventable by inhibition of a kinase pathway comprising administering an effective amount of a heteroaryl compound to a patient in need thereof. Compds. of formula I wherein X-A-B-Y taken together to form NR<sub>2</sub>CH<sub>2</sub>CONH, NR<sub>2</sub>COCH<sub>2</sub>NH, CR<sub>2</sub>CONH, NR<sub>2</sub>C=N, and CR<sub>2</sub>=CHNH; L is a bond, NH and O; R<sub>1</sub> and R<sub>2</sub> are independently (un)substituted C<sub>1</sub>-8 alkyl, (un)substituted (hetero)aryl and (un)substituted (hetero)cycloalkyl; R<sub>3</sub> and R<sub>4</sub> are independently H, C<sub>1</sub>-8 alkyl; and their pharmaceutically acceptable salts thereof, are claimed. Example compound II was prepared by cyclization of (Z)-1-(2-amino-1,2-dicyanovinyl)-3-(2-methoxyphenyl)urea with quinoline-5-carboxaldehyde. All the invention compds. were evaluated for their protein kinase inhibitory activity. From the assay, it was determined that compound II exhibited IC<sub>50</sub> values of 0.1-5  $\mu$ M against mTOR and 20.1-30  $\mu$ M against IKK-2.

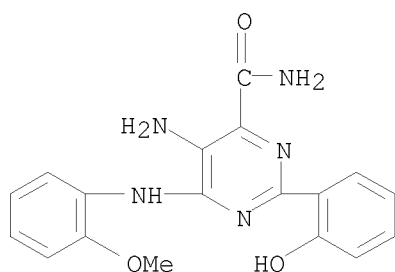
IT 1022157-79-4P

RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (intermediate; preparation of heteroaryl compds. useful in treatment and prevention of diseases)

RN 1022157-79-4 CAPLUS

CN 4-Pyrimidinecarboxamide, 5-amino-2-(2-hydroxyphenyl)-6-[(2-

methoxyphenyl)amino]- (CA INDEX NAME)



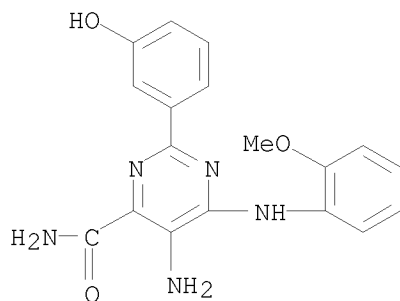
IT 1022157-44-3P 1022158-73-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of heteroaryl compds. useful in treatment and prevention of diseases)

RN 1022157-44-3 CAPLUS

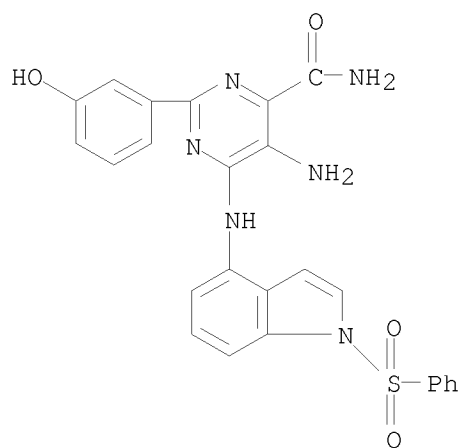
CN 4-Pyrimidinecarboxamide, 5-amino-2-(3-hydroxyphenyl)-6-[(2-methoxyphenyl)amino]- (CA INDEX NAME)



RN 1022158-73-1 CAPLUS

CN 4-Pyrimidinecarboxamide, 5-amino-2-(3-hydroxyphenyl)-6-[[1-(phenylsulfonyl)-1H-indol-4-yl]amino]- (CA INDEX NAME)

10/581,897



RE.CNT 5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2006:1226934 CAPLUS  
 DN 146:7979  
 TI Method for preparing substituted pyrimidines  
 IN Annis, Gary David  
 PA E. I. Du Pont De Nemours and Company, USA  
 SO PCT Int. Appl., 26pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

common assignee

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006124657	A1	20061123	WO 2006-US18522	20060512
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	AU 2006247581	A1	20061123	AU 2006-247581	20060512
	EP 1888536	A1	20080220	EP 2006-759727	20060512
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	JP 2008540655	T	20081120	JP 2008-512374	20060512
	IN 2007DN08216	A	20071123	IN 2007-DN8216	20071024
	CN 101175730	A	20080507	CN 2006-80016942	20071116
	KR 2008016640	A	20080221	KR 2007-729280	20071214
PRAI	US 2005-681298P	P	20050516		
	WO 2006-US18522	W	20060512		

OS CASREACT 146:7979; MARPAT 146:7979

AB The invention relates to a method for preparing a ester I [R1 = cyclopropyl, 4-chlorophenyl or 4-bromophenyl; R2 = alkyl] comprising contacting acetal II with a persulfate oxidant in the presence of a strong sulfur- or phosphorus-containing mineral acid such as sulfuric acid and an oxidation resistant solvent. Thus, reacting 5-chloro-2-cyclopropyl-6-(diethoxymethyl)-4-pyrimidinamine with ammonium persulfate in the presence of sulfuric acid in acetonitrile afforded 55% Et 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate.

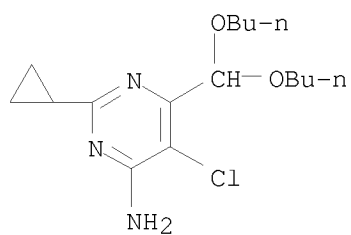
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 1042146-37-1 1042146-39-3 1042146-96-2  
 1042146-97-3 1042146-98-4

RL: PRPH (Prophetic)

(Method for preparing substituted pyrimidines)

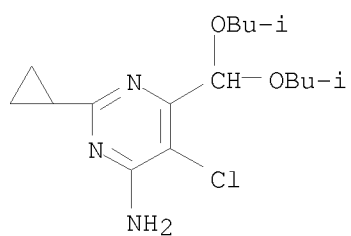
RN 1042146-19-9 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-2-cyclopropyl-6-(dibutoxymethyl)- (CA INDEX NAME)



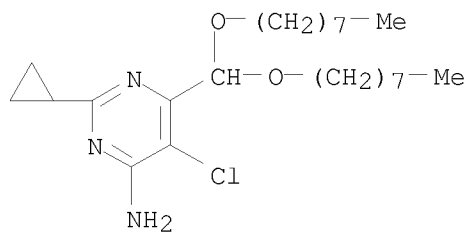
RN 1042146-20-2 CAPLUS

CN 4-Pyrimidinamine, 6-[bis(2-methylpropoxy)methyl]-5-chloro-2-cyclopropyl-  
(CA INDEX NAME)



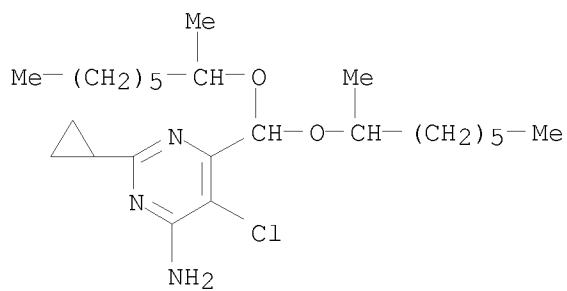
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CN 4-Pyrimidinamine, 6-[bis(octyloxy)methyl]-5-chloro-2-cyclopropyl- (CA  
INDEX NAME)



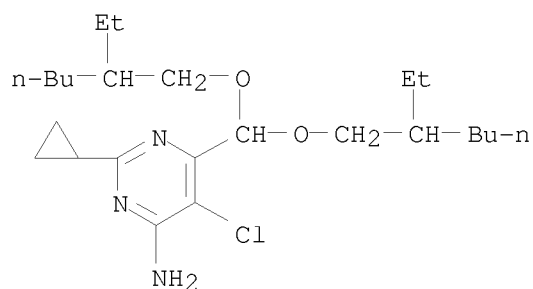
RN 1042146-22-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED



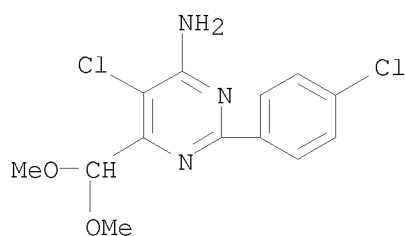
RN 1042146-23-5 CAPLUS

CN 4-Pyrimidinamine, 6-[bis[(2-ethylhexyl)oxy]methyl]-5-chloro-2-cyclopropyl-  
(CA INDEX NAME)



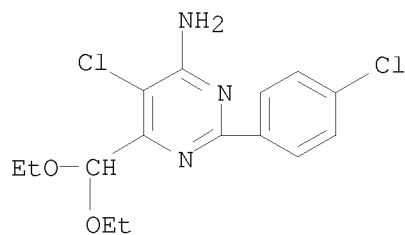
RN 1042146-24-6 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-2-(4-chlorophenyl)-6-(dimethoxymethyl)- (CA  
INDEX NAME)



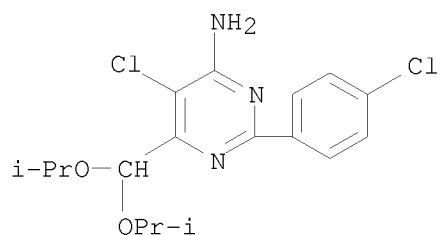
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CN 4-Pyrimidinamine, 5-chloro-2-(4-chlorophenyl)-6-(diethoxymethyl)- (CA  
INDEX NAME)

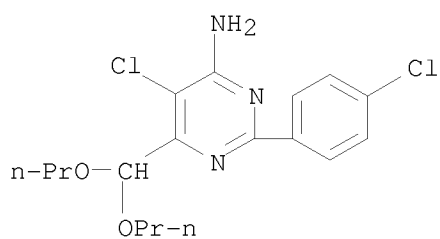


RN 1042146-31-5 CAPLUS

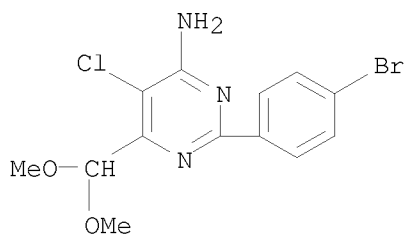
CN 4-Pyrimidinamine, 6-[bis(1-methylethoxy)methyl]-5-chloro-2-(4-  
chlorophenyl)- (CA INDEX NAME)



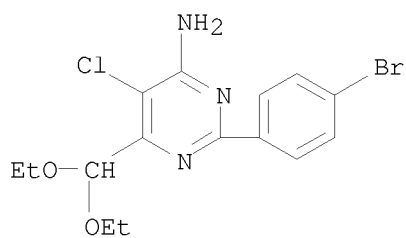
RN 1042146-35-9 CAPLUS  
 CN 4-Pyrimidinamine, 5-chloro-2-(4-chlorophenyl)-6-(diisopropoxymethyl)- (CA INDEX NAME)



RN 1042146-37-1 CAPLUS  
 CN 4-Pyrimidinamine, 2-(4-bromophenyl)-5-chloro-6-(dimethoxymethyl)- (CA INDEX NAME)

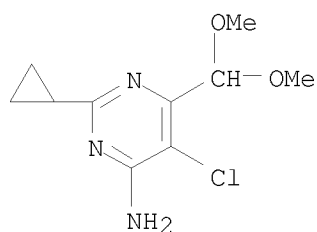


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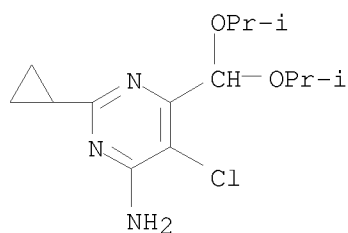
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CN 4-Pyrimidinamine, 5-chloro-2-cyclopropyl-6-(dimethoxymethyl)- (CA INDEX NAME)



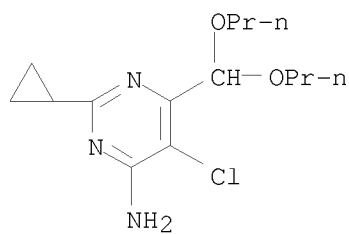
RN 1042146-97-3 CAPLUS

CN 4-Pyrimidinamine, 6-[bis(1-methylethoxy)methyl]-5-chloro-2-cyclopropyl- (CA INDEX NAME)



RN 1042146-98-4 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-2-cyclopropyl-6-(dipropoxymethyl)- (CA INDEX NAME)



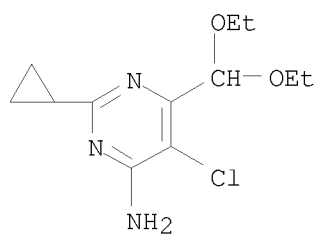
IT 915710-66-6P, 5-Chloro-2-cyclopropyl-6-(diethoxymethyl)-4-pyrimidinamine

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(method for preparing substituted pyrimidines)

RN 915710-66-6 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-2-cyclopropyl-6-(diethoxymethyl)- (CA INDEX NAME)

10/581,897



RE.CNT 4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:612265 CAPLUS  
 DN 143:133387  
 TI Preparation of herbicidal pyrimidines  
 IN Clark, David Alan; Finkelstein, Bruce Lawrence; Armel, Gregory Russell;  
 Wittenbach, Vernon Arie  
 PA E. I. Dupont de Nemours and Company, USA  
 SO PCT Int. Appl., 151 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English Applicant's  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063721	A1	20050714	WO 2004-US42302	20041216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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AU 2004309325	A1	20050714	AU 2004-309325	20041216
CA 2548058	A1	20050714	CA 2004-2548058	20041216
EP 1694651	A1	20060830	EP 2004-814481	20041216
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CN 1894220	A	20070110	CN 2004-80037819	20041216
BR 2004017279	A	20070313	BR 2004-17279	20041216
JP 2007534649	T	20071129	JP 2006-545441	20041216
IN 2006DN03045	A	20070803	IN 2006-DN3045	20060526
US 20070197391	A1	20070823	US 2006-581897	20060605
KR 2006114345	A	20061106	KR 2006-712063	20060616
MX 2006007033	A	20060831	MX 2006-7033	20060619
PRAI US 2003-531300P	P	20031219		
US 2004-598397P	P	20040803		
WO 2004-US42302	W	20041216		

OS CASREACT 143:133387; MARPAT 143:133387

AB The title compds. I [R1 = (un)substituted cyclopropyl, iso-Pr, or Ph; R2 = ((O)jC(R15)(R16))kR; R = CO<sub>2</sub>H or a herbicidally effective derivative of CO<sub>2</sub>H; R3 = halo, CN, NO<sub>2</sub>, OR<sub>20</sub>, SR<sub>21</sub> or N(R<sub>22</sub>)R<sub>23</sub>; R4 = N(R<sub>24</sub>)R<sub>25</sub> or NO<sub>2</sub>; j = 0-1; k = 0-1; provided that when k = 0, then j = 0; R15, R16 = H, halo, alkyl, etc.; R20, R21 = H, alkyl, haloalkyl; R22, R23 = H, alkyl; R24 = H, alkyl, alkenyl, etc.; R25 = H, alkyl, C(O)R<sub>33</sub>; R33 = H, alkyl, haloalkyl, etc.; or R24 and R25 are taken together as a radical selected from (CH<sub>2</sub>)<sub>4</sub>, (CH<sub>2</sub>)<sub>5</sub>, etc.] which are useful for controlling undesired vegetation, were prepared E.g., a multi-step synthesis of Et 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (II) and Me 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (III), starting from Et 4,4-diethoxy-3-oxobutanoate and cyclopropanecarboximidamide monohydrochloride, was given. The compound II showed complete control against Pigweed at 500g ai/ha in postemergence test. Also disclosed are

comps. comprising the compds. I and a method for controlling undesired vegetation which involves contacting the vegetation or its environment with an effective amount of a compound I. Also disclosed are comps. comprising a compound I and at least one addnl. active ingredient selected from the group consisting of an other herbicide and a herbicide safener.

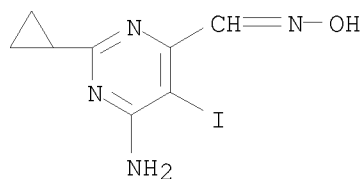
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 1045234-71-6 1045234-75-0 1045234-77-2

RL: PRPH (Prophetic)

(Preparation of herbicidal pyrimidines)

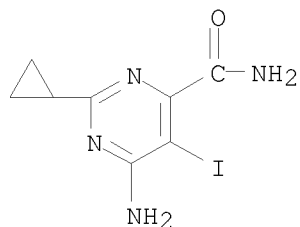
RN 1045226-82-1 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-iodo-, oxime (CA INDEX NAME)



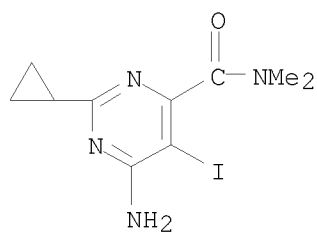
RN 1045226-83-2 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-cyclopropyl-5-iodo- (CA INDEX NAME)

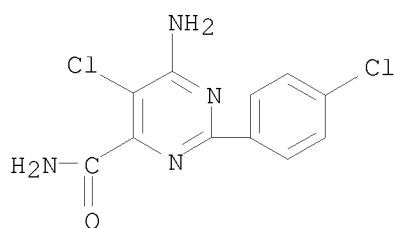


RN 1045226-85-4 CAPLUS

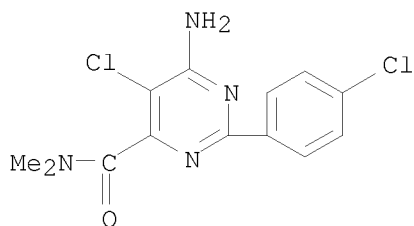
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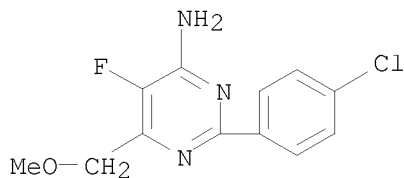
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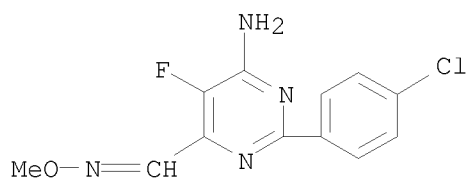
RN 1045227-04-0 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-(4-chlorophenyl)-N,N-dimethyl- (CA INDEX NAME)



RN 1045227-14-2 CAPLUS  
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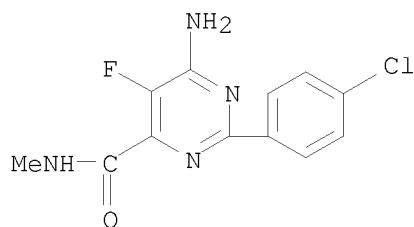


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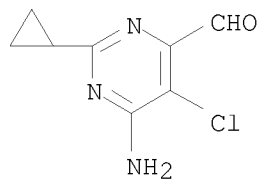
RN 1045227-23-3 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-fluoro-N-methyl-  
(CA INDEX NAME)



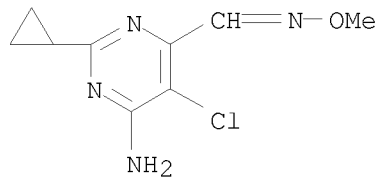
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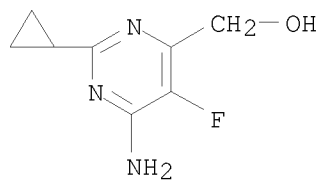
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CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-chloro-2-cyclopropyl-, O-methyloxime  
(CA INDEX NAME)

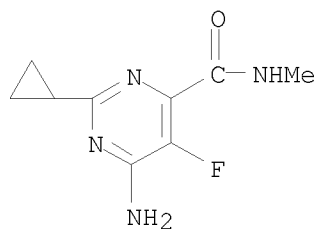


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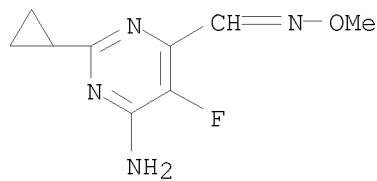
CN 4-Pyrimidinemethanol, 6-amino-2-cyclopropyl-5-fluoro- (CA INDEX NAME)



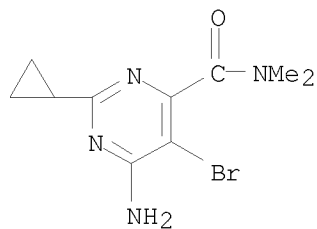
RN 1045227-71-1 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-2-cyclopropyl-5-fluoro-N-methyl- (CA INDEX NAME)



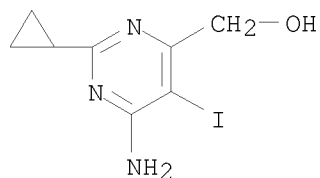
RN 1045227-73-3 CAPLUS  
 CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-fluoro-, O-methyloxime (CA INDEX NAME)



RN 1045227-90-4 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-cyclopropyl-N,N-dimethyl- (CA INDEX NAME)

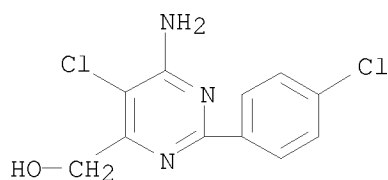


RN 1045228-07-6 CAPLUS  
 CN 4-Pyrimidinemethanol, 6-amino-2-cyclopropyl-5-iodo- (CA INDEX NAME)



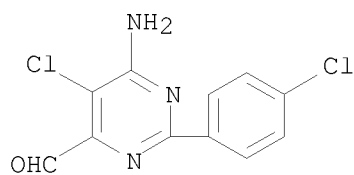
RN 1045229-02-4 CAPLUS

CN 4-Pyrimidinemethanol, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



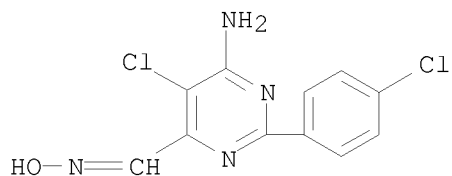
RN 1045229-04-6 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-chloro-2-(4-chlorophenyl)- (CA INDEX NAME)



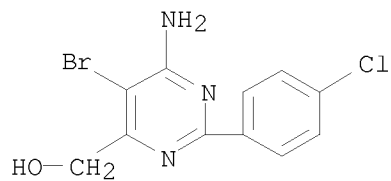
RN 1045229-06-8 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-chloro-2-(4-chlorophenyl)-, oxime (CA INDEX NAME)



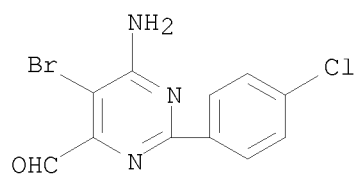
RN 1045229-58-0 CAPLUS

CN 4-Pyrimidinemethanol, 6-amino-5-bromo-2-(4-chlorophenyl)- (CA INDEX NAME)



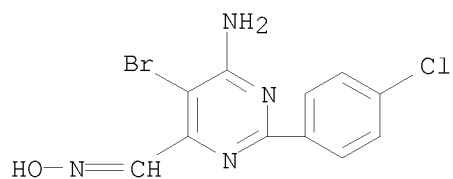
RN 1045229-61-5 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-(4-chlorophenyl)- (CA INDEX NAME)



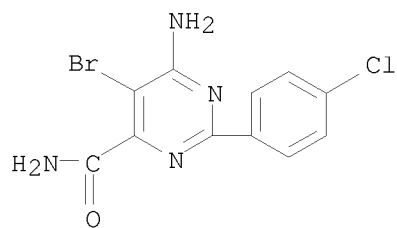
RN 1045229-65-9 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-(4-chlorophenyl)-, oxime (CA INDEX NAME)



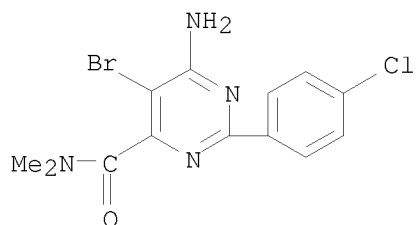
RN 1045229-66-0 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-(4-chlorophenyl)- (CA INDEX NAME)

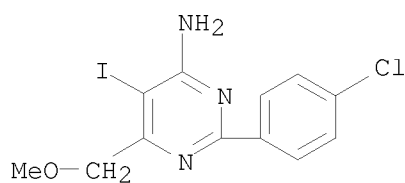


RN 1045229-68-2 CAPLUS

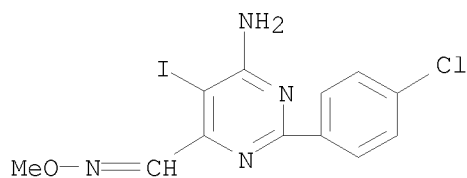
CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-(4-chlorophenyl)-N,N-dimethyl- (CA INDEX NAME)



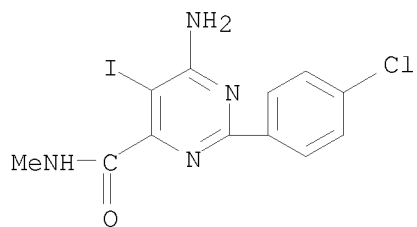
RN 1045229-78-4 CAPLUS  
 CN 4-Pyrimidinamine, 2-(4-chlorophenyl)-5-iodo-6-(methoxymethyl)- (CA INDEX NAME)



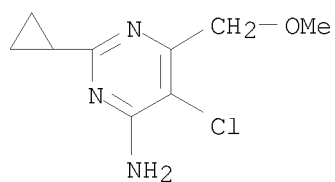
RN 1045229-85-3 CAPLUS  
 CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-(4-chlorophenyl)-5-iodo-, O-methyloxime (CA INDEX NAME)



RN 1045229-86-4 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-iodo-N-methyl- (CA INDEX NAME)

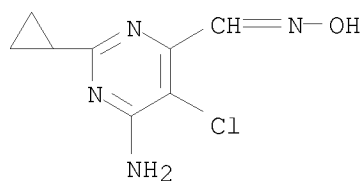


RN 1045230-19-0 CAPLUS  
 CN 4-Pyrimidinamine, 5-chloro-2-cyclopropyl-6-(methoxymethyl)- (CA INDEX NAME)



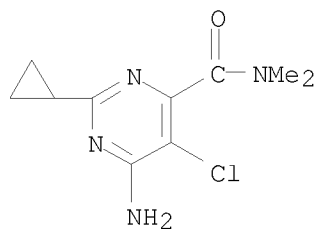
RN 1045230-22-5 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-chloro-2-cyclopropyl-, oxime (CA INDEX NAME)



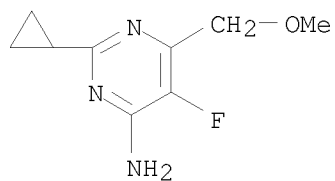
RN 1045230-23-6 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-cyclopropyl-N,N-dimethyl- (CA INDEX NAME)



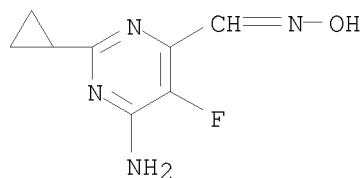
RN 1045230-43-0 CAPLUS

CN 4-Pyrimidinamine, 2-cyclopropyl-5-fluoro-6-(methoxymethyl)- (CA INDEX NAME)



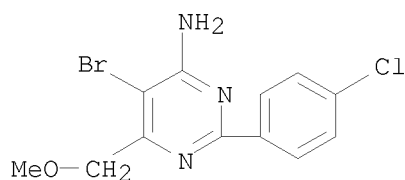
RN 1045230-46-3 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-fluoro-, oxime (CA INDEX NAME)



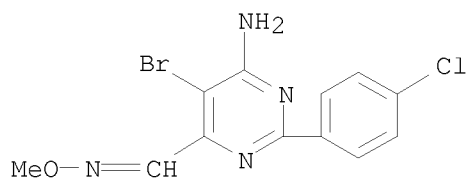
RN 1045232-43-6 CAPLUS

CN 4-Pyrimidinamine, 5-bromo-2-(4-chlorophenyl)-6-(methoxymethyl)- (CA INDEX NAME)



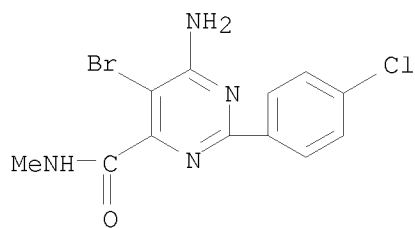
RN 1045232-50-5 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-(4-chlorophenyl)-, O-methyloxime (CA INDEX NAME)



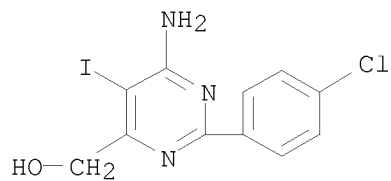
RN 1045232-51-6 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-(4-chlorophenyl)-N-methyl- (CA INDEX NAME)



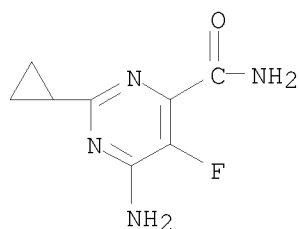
RN 1045232-61-8 CAPLUS

CN 4-Pyrimidinemethanol, 6-amino-2-(4-chlorophenyl)-5-iodo- (CA INDEX NAME)



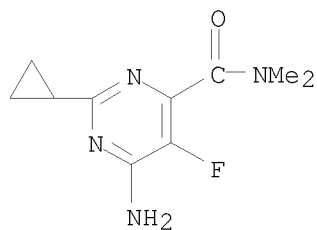
RN 1045232-62-9 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-cyclopropyl-5-fluoro- (CA INDEX NAME)



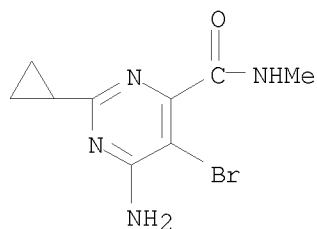
RN 1045232-64-1 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-cyclopropyl-5-fluoro-N,N-dimethyl- (CA INDEX NAME)



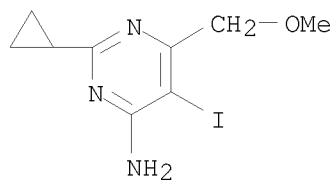
RN 1045232-79-8 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-cyclopropyl-N-methyl- (CA INDEX NAME)



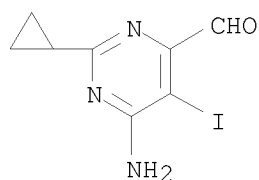
RN 1045232-99-2 CAPLUS

CN 4-Pyrimidinamine, 2-cyclopropyl-5-iodo-6-(methoxymethyl)- (CA INDEX NAME)



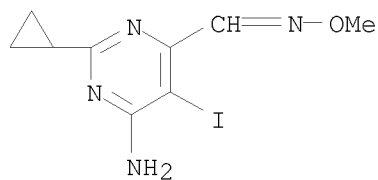
RN 1045233-03-1 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-iodo- (CA INDEX NAME)



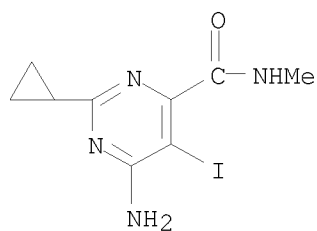
RN 1045233-04-2 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-iodo-, O-methyloxime  
(CA INDEX NAME)



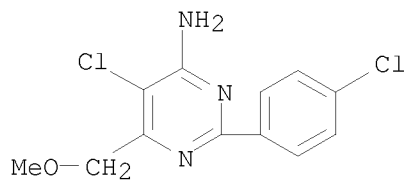
RN 1045233-07-5 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-cyclopropyl-5-iodo-N-methyl- (CA INDEX NAME)



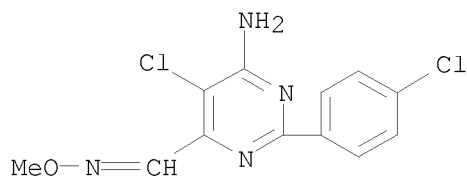
RN 1045233-90-6 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-2-(4-chlorophenyl)-6-(methoxymethyl)- (CA INDEX NAME)



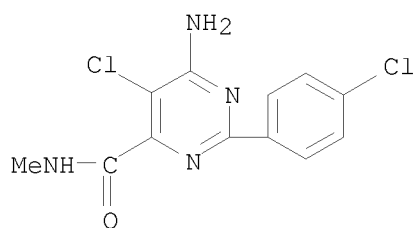
RN 1045233-96-2 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-chloro-2-(4-chlorophenyl)-,  
O-methyloxime (CA INDEX NAME)



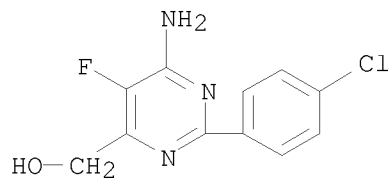
RN 1045233-98-4 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-(4-chlorophenyl)-N-methyl-  
(CA INDEX NAME)



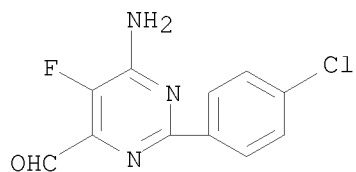
RN 1045234-08-9 CAPLUS

CN 4-Pyrimidinemethanol, 6-amino-2-(4-chlorophenyl)-5-fluoro- (CA INDEX  
NAME)

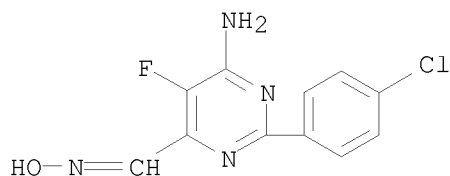


RN 1045234-10-3 CAPLUS

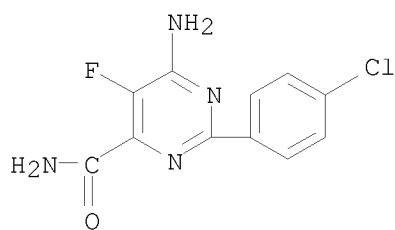
CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-(4-chlorophenyl)-5-fluoro- (CA  
INDEX NAME)



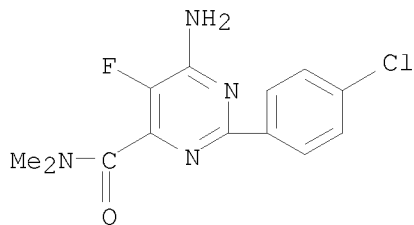
RN 1045234-15-8 CAPLUS  
 CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-(4-chlorophenyl)-5-fluoro-, oxime  
 (CA INDEX NAME)



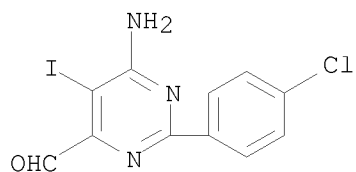
RN 1045234-16-9 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-fluoro- (CA INDEX  
 NAME)



RN 1045234-17-0 CAPLUS  
 CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-fluoro-N,N-dimethyl-  
 (CA INDEX NAME)

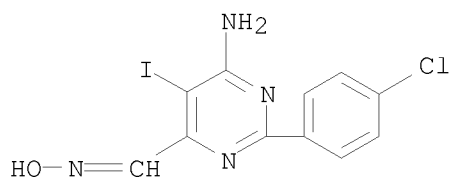


RN 1045234-70-5 CAPLUS  
 CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-(4-chlorophenyl)-5-iodo- (CA INDEX  
 NAME)



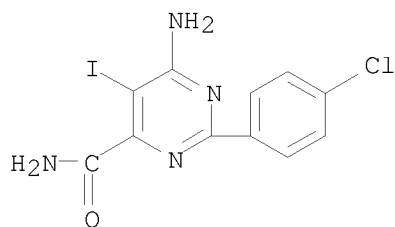
RN 1045234-71-6 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-(4-chlorophenyl)-5-iodo-, oxime (CA INDEX NAME)



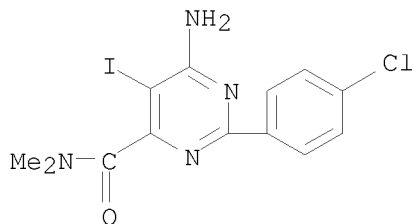
RN 1045234-75-0 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-iodo- (CA INDEX NAME)



RN 1045234-77-2 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-2-(4-chlorophenyl)-5-iodo-N,N-dimethyl- (CA INDEX NAME)



IT 858954-85-5P 858954-94-6P 858954-95-7P  
 858954-98-0P 858955-00-7P 858955-01-8P  
 858955-18-7P 858955-19-8P 858955-21-2P  
 858955-22-3P 858955-23-4P 858955-24-5P  
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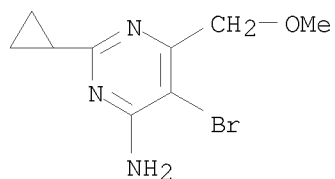
858956-11-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of herbicidal pyrimidines)

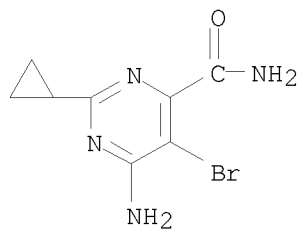
RN 858954-85-5 CAPLUS

CN 4-Pyrimidinamine, 5-bromo-2-cyclopropyl-6-(methoxymethyl)- (CA INDEX NAME)



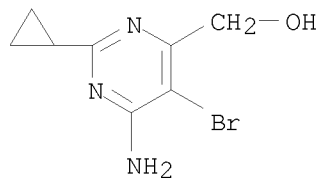
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CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX NAME)



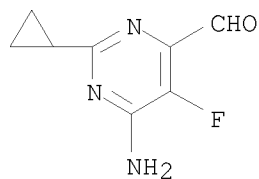
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CN 4-Pyrimidinemethanol, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX NAME)

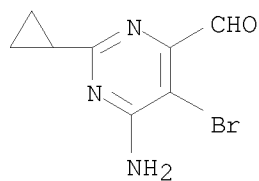


RN 858954-98-0 CAPLUS

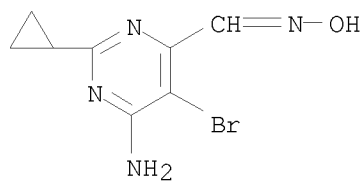
CN 4-Pyrimidinecarboxaldehyde, 6-amino-2-cyclopropyl-5-fluoro- (CA INDEX NAME)



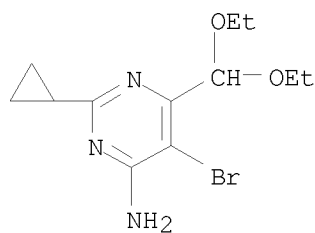
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 CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-cyclopropyl- (CA INDEX NAME)



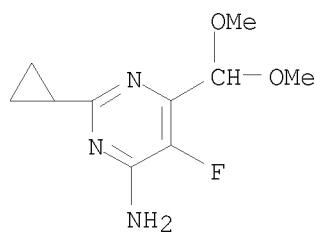
RN 858955-01-8 CAPLUS  
 CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-cyclopropyl-, oxime (CA INDEX NAME)



RN 858955-18-7 CAPLUS  
 CN 4-Pyrimidinamine, 5-bromo-2-cyclopropyl-6-(diethoxymethyl)- (CA INDEX NAME)

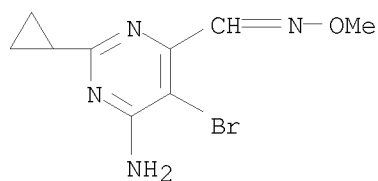


RN 858955-19-8 CAPLUS  
 CN 4-Pyrimidinamine, 2-cyclopropyl-6-(dimethoxymethyl)-5-fluoro- (CA INDEX NAME)



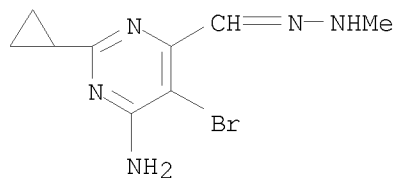
RN 858955-21-2 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-cyclopropyl-, O-methyloxime  
(CA INDEX NAME)



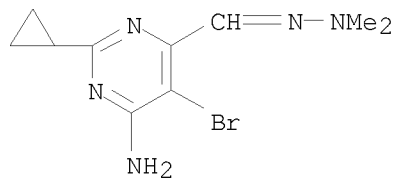
RN 858955-22-3 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-cyclopropyl-,  
2-methylhydrazone (CA INDEX NAME)



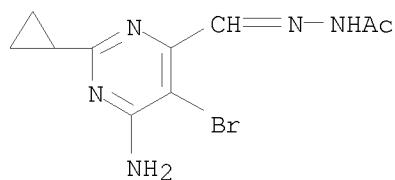
RN 858955-23-4 CAPLUS

CN 4-Pyrimidinecarboxaldehyde, 6-amino-5-bromo-2-cyclopropyl-,  
2,2-dimethylhydrazone (CA INDEX NAME)



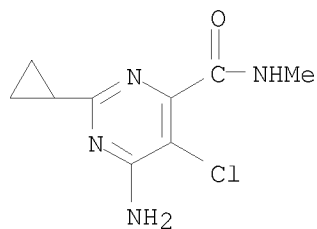
RN 858955-24-5 CAPLUS

CN Acetic acid, 2-[(6-amino-5-bromo-2-cyclopropyl-4-  
pyrimidinyl)methylene]hydrazide (CA INDEX NAME)



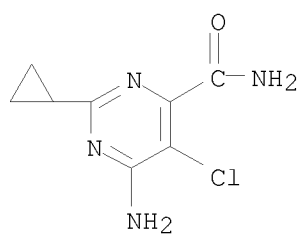
RN 858955-54-1 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-cyclopropyl-N-methyl- (CA  
INDEX NAME)



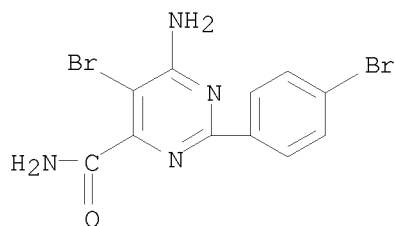
RN 858955-58-5 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-cyclopropyl- (CA INDEX NAME)



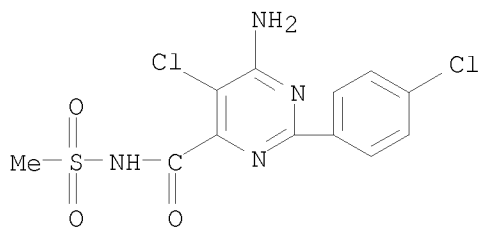
RN 858956-03-3 CAPLUS

CN 4-Pyrimidinecarboxamide, 6-amino-5-bromo-2-(4-bromophenyl)- (CA INDEX NAME)



RN 858956-04-4 CAPLUS

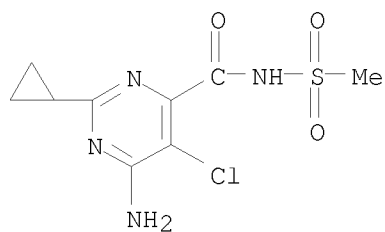
CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-(4-chlorophenyl)-N-(methylsulfonyl)- (CA INDEX NAME)



RN 858956-05-5 CAPLUS

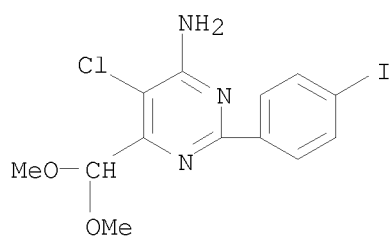
CN 4-Pyrimidinecarboxamide, 6-amino-5-chloro-2-cyclopropyl-N-(methylsulfonyl)-

(CA INDEX NAME)



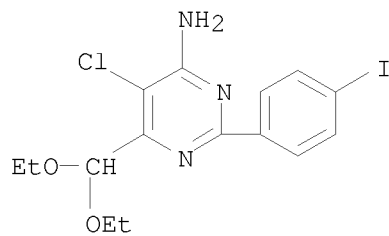
RN 858956-07-7 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-6-(dimethoxymethyl)-2-(4-iodophenyl)- (CA INDEX NAME)



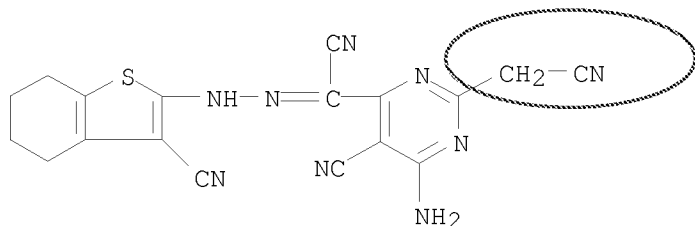
RN 858956-11-3 CAPLUS

CN 4-Pyrimidinamine, 5-chloro-6-(diethoxymethyl)-2-(4-iodophenyl)- (CA INDEX NAME)



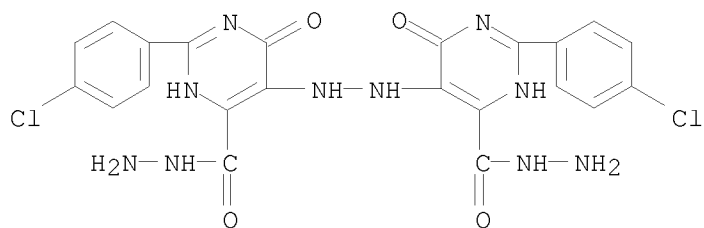
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2002:266485 CAPLUS  
 DN 137:169474  
 TI Uses of 2-diazo-4,5,6,7-tetrahydrobenzo[b]thiophene derivatives in the  
 synthesis of azoles, azines, and their fused derivatives  
 AU Wardakhan, Wagnat W.; Fleita, Daisy H.  
 CS Department of Chemistry, University of California, Berkeley, CA, 94720,  
 USA  
 SO Heteroatom Chemistry (2002), 13(2), 108-115  
 CODEN: HETCE8; ISSN: 1042-7163  
 PB John Wiley & Sons, Inc.  
 DT Journal  
 LA English  
 OS CASREACT 137:169474  
 AB The reactions of 2-diazo-4,5,6,7-tetrahydrobenzo[b]thiophene derivs. with  
 RCH<sub>2</sub>C(NH<sub>2</sub>):CRCN [R = CO<sub>2</sub>Et, CN] gave the hydrazone derivs. The reactivity  
 of the latter products towards various chemical reagents was studied in order  
 to provide azole and azine derivs. incorporating the thiophene ring, and  
 most of them showed high antimicrobial activity.  
 IT 446253-92-5P  
 RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic  
 preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant  
 or reagent)  
 (preparation of bactericidal azoles, azines, and their fused derivs. from  
 2-diazo-4,5,6,7-tetrahydrobenzo[b]thiophene derivs.)  
 RN 446253-92-5 CAPLUS  
 CN 4-Pyrimidineacetonitrile, 6-amino-5-cyano-2-(cyanomethyl)- $\alpha$ -[2-(3-  
 cyano-4,5,6,7-tetrahydrobenzo[b]thien-2-yl)hydrazinyldene]- (CA INDEX  
 NAME)



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 1979:420462 CAPLUS  
 DN 91:20462  
 OREF 91:3425a,3428a  
 TI Synthesis of 1,2,4-oxadiazines and their rearrangement to pyrimidines  
 AU Santilli, Arthur A.; Scotese, Anthony C.  
 CS Res. Dev. Div., Wyeth Lab., Inc., Radnor, PA, 19087, USA  
 SO Journal of Heterocyclic Chemistry (1979), 16(2), 213-16  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DT Journal  
 LA English  
 OS CASREACT 91:20462  
 AB Several amide oximes underwent condensation reactions with  
 MeO2CC.tplbond.CC02Me to give 1:1 adducts. Under basic conditions, these  
 adducts underwent ring closure to give several Me  
 [3-(substituted)-4,5-dihydro-5-oxo-6H-1,2,4-oxadiazin-6-ylidene]acetates,  
 e.g. I. The reactions of these compds. with a variety of amines resulted  
 in addition-rearrangement reactions with the formation of the corresponding  
 Me 2-substituted-5-substituted amino-1,6-dihydro-6-oxo-4-  
 pyrimidinecarboxylates.  
 IT 70492-18-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 70492-18-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5,5'-hydrazobis[2-(4-chlorophenyl)-1,6-  
 dihydro-6-oxo-, dihydrazide (9CI) (CA INDEX NAME)



10/581,897

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.70

215.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

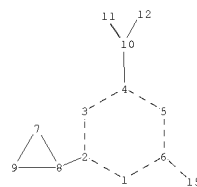
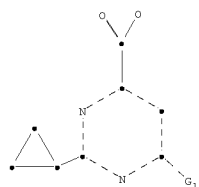
SESSION

CA SUBSCRIBER PRICE

-4.10

-4.10

STN INTERNATIONAL LOGOFF AT 10:35:20 ON 17 FEB 2009



```

chain nodes :
  10 11 12 15
ring nodes :
  1 2 3 4 5 6 7 8 9
chain bonds :
  2-8 4-10 6-15 10-11 10-12
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-9
exact/norm bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 6-15 10-11 10-12
exact bonds :
  2-8 4-10 7-8 7-9 8-9
isolated ring systems :
  containing 1 : 7 :
  
```

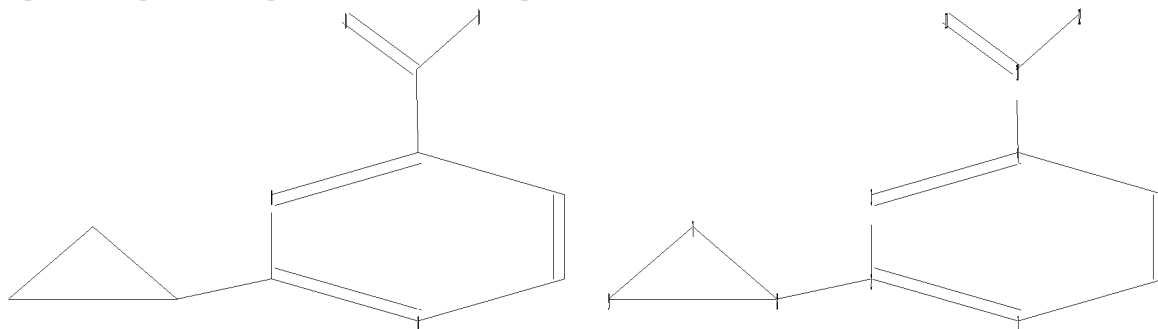
G1:O,Cl

```

Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS
  12:CLASS 15:CLASS
  
```

=&gt;

Uploading C:\Program Files\Stnexp\Queries\10581897 (claims 15-17).str



chain nodes :

10 11 12

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

2-8 4-10 10-11 10-12

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-9

exact/norm bonds :

10-11 10-12

exact bonds :

2-8 4-10 7-8 7-9 8-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 : 7 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

11:CLASS 12:CLASS

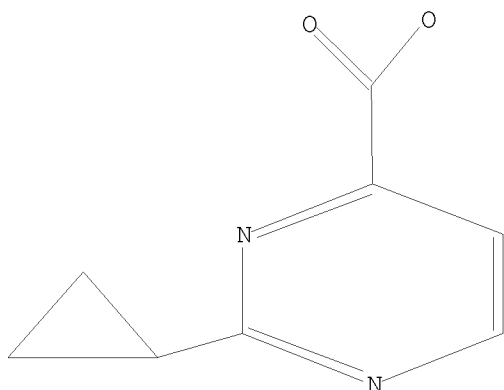
L1 STRUCTURE UPLOADED

=&gt; d l1

L1 HAS NO ANSWERS

L1 STR

10/581,897



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1 sss sam
SAMPLE SEARCH INITIATED 11:26:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      74 TO ITERATE

100.0% PROCESSED          74 ITERATIONS          9 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   964 TO    1996
PROJECTED ANSWERS:      9 TO      360

L2          9 SEA SSS SAM L1

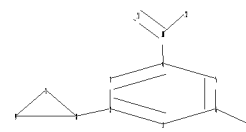
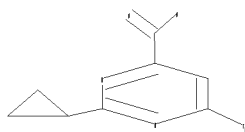
=> => ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2016 OR  2026 OR  1840 OR  2039 OR  2040 OR  2045 OR  2047

L3      SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\10581897 (claims 15-17 A).str
```



```

chain nodes :
10 11 12 15
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
2-8 4-10 6-15 10-11 10-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-9
exact/norm bonds :
6-15 10-11 10-12
exact bonds :
2-8 4-10 7-8 7-9 8-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 7 :

```

G1:O,C1

10/581,897

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 15:CLASS

L4 STRUCTURE UPLOADED

=> que L4 NOT L3

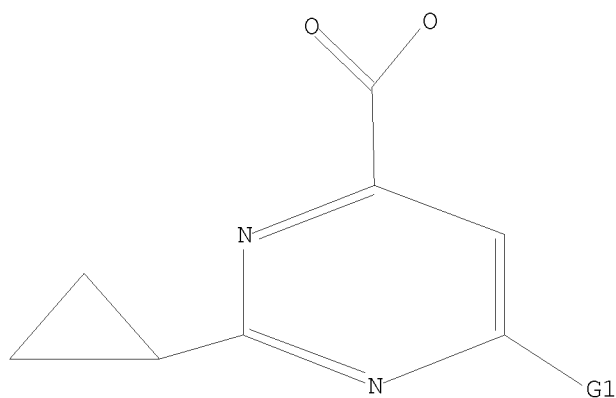
L5 QUE L4 NOT L3

=> d 15

L5 HAS NO ANSWERS

L3 SCR 2016 OR 2026 OR 1840 OR 2039 OR 2040 OR 2045 OR 2047

L4 STR



G1 O,Cl

Structure attributes must be viewed using STN Express query preparation.

L5 QUE L4 NOT L3

=> s 15 sss sam

SAMPLE SEARCH INITIATED 11:30:38 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L4 NOT L3

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

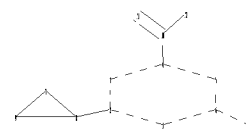
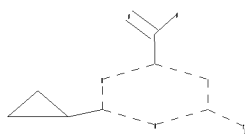
10/581,897

=> screen 2016 OR 2026 OR 1840 OR 2039 OR 2040 OR 2045 OR 2047

L7 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10581897 (claims 15-17 B).str



chain nodes :  
10 11 12 15  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
2-8 4-10 6-15 10-11 10-12  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-9  
exact/norm bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 6-15 10-11 10-12  
exact bonds :  
2-8 4-10 7-8 7-9 8-9  
isolated ring systems :

10/581,897

containing 1 : 7 :

G1:O,C1

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 15:CLASS

L8 STRUCTURE UPLOADED

=> que L8 NOT L7

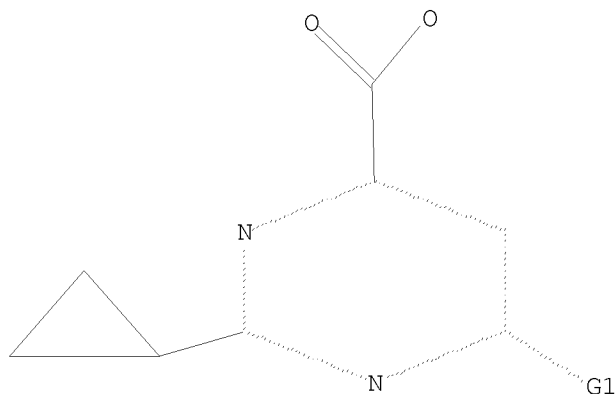
L9 QUE L8 NOT L7

=> d 19

L9 HAS NO ANSWERS

L7 SCR 2016 OR 2026 OR 1840 OR 2039 OR 2040 OR 2045 OR 2047

L8 STR



G1 O,C1

Structure attributes must be viewed using STN Express query preparation.

L9 QUE L8 NOT L7

=> s 19 sss sam

SAMPLE SEARCH INITIATED 11:32:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

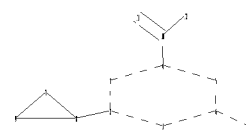
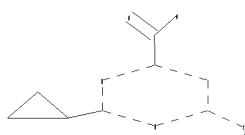
PROJECTED ANSWERS: 0 TO 0

10/581,897

L10            0 SEA SSS SAM L8 NOT L7

=>

Uploading C:\Program Files\Stnexp\Queries\10581897 (claims 15-17 C).str



chain nodes :  
10 11 12 15  
ring nodes :  
1 2 3 4 5 6 7 8 9  
chain bonds :  
2-8 4-10 6-15 10-11 10-12  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-9 8-9  
exact/norm bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 6-15 10-11 10-12  
exact bonds :  
2-8 4-10 7-8 7-9 8-9  
isolated ring systems :  
containing 1 : 7 :

G1:O,C1

10/581,897

Match level :

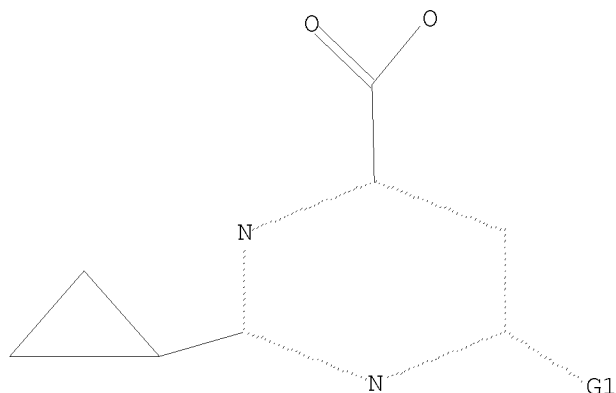
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 15:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



G1 O,Cl

Structure attributes must be viewed using STN Express query preparation.

=> s l11 sss sam

SAMPLE SEARCH INITIATED 11:34:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 sss ful

FULL SEARCH INITIATED 11:34:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 89 TO ITERATE

100.0% PROCESSED 89 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

L13 6 SEA SSS FUL L11

10/581,897

```
=> => s l13  
L14          4 L13  
  
=> d l14 1-4 bib,ab,hitstr
```

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2008:1503766 CAPLUS  
 DN 150:49541  
 TI Herbicidal compositions containing piperazinediones, other active  
 substances, and safeners  
 IN Hupe, Eike; Moberg, William Karl; Reinhard, Robert; Sievernich, Bernd;  
 Kibler, Elmar  
 PA Basf SE, Germany  
 SO PCT Int. Appl., 163pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008152074	A1	20081218	WO 2008-EP57330	20080611
	W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRAI EP 2007-110126 A 20070612

OS MARPAT 150:49541

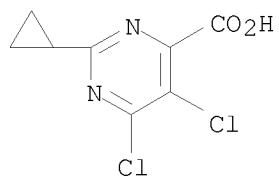
AB Herbicidally effective compns. comprise  $\geq 1$  piperazindione compound (I, where Rx, Ry = H or together signify a chemical bond; R1 = CN, NO<sub>2</sub>; R2 = H, F, Cl, Cl-2 alkyl, ethenyl, or Cl-2 alkoxy; R3 = F, H; R4 = Me; R5, R6 = H, Me, Et; R7 = H, halo);  $\geq 1$  further active substance, selected from lipid biosynthesis inhibitors, acetolactate synthesis inhibitors (ALS inhibitors), photosynthesis inhibitors, protoporphyrinogen IX oxidase inhibitors, bleaching herbicides, enolpyruvylshikimate-3-phosphate synthesis inhibitors (EPSP inhibitors), glutamine synthesis inhibitors, 7,8-dihydropteroate synthesis inhibitors (DHP inhibitors), mitosis inhibitors, inhibitors of the synthesis of very-long-chain fatty acids (VLCFA inhibitors), cellulose biosynthesis inhibitors, decoupling herbicides, auxin herbicides, auxin transport inhibitors, and other herbicides; and safeners. Thus, a synergistic mixture of 2-(5-benzyl-1,4,5-trimethyl-3,6-dioxopiperazin-2-ylidenemethyl)benzonitrile (preparation given) + prosulfocarb at 125 + 1000 g/ha showed 100% herbicidal activity against Alopecurus myosuroides.

IT 858956-27-1D, and salts and esters, mixts. with piperazinediones  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic herbicides containing piperazinediones, other active substances, and safeners)

RN 858956-27-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5,6-dichloro-2-cyclopropyl- (CA INDEX NAME)

10/581,897



RE.CNT 5      THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

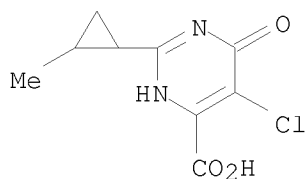
L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2006:1201993 CAPLUS  
 DN 145:505468  
 TI Process for preparation of optionally 2-substituted  
 1,6-dihydro-6-oxo-4-pyrimidinecarboxylic acids from oxalacetate salts and  
 carboximidamides  
 IN ~~Shapiro, Rafael~~  
 PA ~~E. I. Du Pont de Nemours and Company, USA~~  
 SO PCT Int. Appl., 36pp.  
 CODEN: PIXXD2  
 DT Patent common assignee  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006121648	A2	20061116	WO 2006-US16340	20060428
	WO 2006121648	A3	20061228		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,				
	KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				
	MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,				
	SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,				
	VN, YU, ZA, ZM, ZW				
	RW:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
	AU 2006246374	A1	20061116	AU 2006-246374	20060428
	CA 2607934	A1	20061116	CA 2006-2607934	20060428
	EP 1877384	A2	20080116	EP 2006-751830	20060428
	R:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,				
	BA, HR, MK, YU				
	JP 2008540414	T	20081120	<del>JP 2008-510079</del>	20060428
	US 20090043098	A1	20090212	<del>US 2007-886605</del>	20070917
	IN 2007DN08215	A	20071123	<del>IN 2007-DN8215</del>	20071024
	MX 2007013424	A	20080116	MX 2007-13424	20071026
	KR 2008006576	A	20080116	KR 2007-725602	20071105
	CN 101171237	A	20080430	CN 2006-80015454	20071106
PRAI	US 2005-678264P	P	20050506		
	WO 2006-US16340	W	20060428		

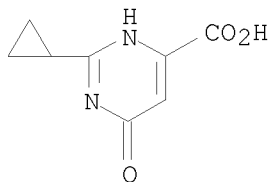
no ODP  
process claims

OS CASREACT 145:505468; MARPAT 145:505468  
 AB Title compds. [I; R1 = H, (substituted) carbon moiety], were prepared by  
 contacting R2O2C(MO)C:CHCO2R3 (M = alkali metal; R2, R3 = alkyl) with a  
 base and water to provide MO2C(MO)C:CHCO2R3 (variables as above) in solution  
 and contacting the latter with R1C(:NH)NH2 (R1 as above) in the presence  
 of a second base to maintain pH 9-12, followed by addition of acid. Thus, a  
 mixture of H2O/denatured EtOH was treated with di-Et oxalacetate Na salt  
 over 10 min; aqueous NaOH was then added over 1 h followed by stirring for 30  
 min. Cyclopropanecarboximidamide hydrochloride (preparation given) in H2O and  
 then aqueous NaOH were added over 1 h to pH 10.5-11.5. The solution was heated  
 to 60° over 1 h followed by cooling to 45-50° and treatment  
 with aqueous HCl to give 85% 2-cyclopropyl-1,6-dihydro-6-oxo-4-  
 pyrimidinecarboxylic acid. The latter was converted to Me  
 6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylate.

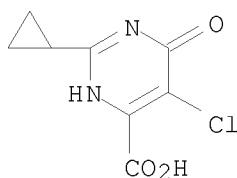
IT 1042145-40-3  
 RL: PRPH (Prophetic)  
 (Process for preparation of optionally 2-substituted  
 1,6-dihydro-6-oxo-4-pyrimidinecarboxylic acids from oxalacetate salts  
 and carboximidamides)  
 RN 1042145-40-3 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-1,6-dihydro-2-(2-methylcyclopropyl)-  
 6-oxo- (CA INDEX NAME)



IT 858956-25-9P, 2-Cyclopropyl-1,6-dihydro-6-oxo-4-  
 pyrimidinecarboxylic acid 858956-26-0P,  
 5-Chloro-2-Cyclopropyl-1,6-dihydro-6-oxo-4-pyrimidinecarboxylic acid  
 858956-27-1P, 5,6-Dichloro-2-cyclopropyl-4-pyrimidinecarboxylic  
 acid  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic  
 preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn of optionally substituted dihydrooxypyrimidinecarboxylic acids  
 from oxalacetate salts and carboximidamides)  
 RN 858956-25-9 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 2-cyclopropyl-1,6-dihydro-6-oxo- (CA INDEX  
 NAME)

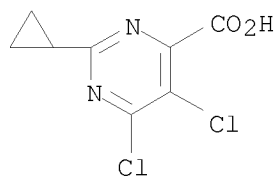


RN 858956-26-0 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-1,6-dihydro-6-oxo-  
 (CA INDEX NAME)



RN 858956-27-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5,6-dichloro-2-cyclopropyl- (CA INDEX NAME)

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RE.CNT 1      THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2005:612265 CAPLUS  
 DN 143:133387  
 TI Preparation of herbicidal pyrimidines  
 IN Clark, David Alan; Finkelstein, Bruce Lawrence; Armel, Gregory Russell;  
 Wittenbach, Vernon Arie  
 PA E. I. Dupont de Nemours and Company, USA  
 SO PCT Int. Appl., 151 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English Applicant's  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063721	A1	20050714	WO 2004-US42302	20041216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004309325	A1	20050714	AU 2004-309325	20041216
CA 2548058	A1	20050714	CA 2004-2548058	20041216
EP 1694651	A1	20060830	EP 2004-814481	20041216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS				
CN 1894220	A	20070110	CN 2004-80037819	20041216
BR 2004017279	A	20070313	BR 2004-17279	20041216
JP 2007534649	T	20071129	JP 2006-545441	20041216
IN 2006DN03045	A	20070803	IN 2006-DN3045	20060526
US 20070197391	A1	20070823	US 2006-581897	20060605
KR 2006114345	A	20061106	KR 2006-712063	20060616
MX 2006007033	A	20060831	MX 2006-7033	20060619
PRAI US 2003-531300P	P	20031219		
US 2004-598397P	P	20040803		
WO 2004-US42302	W	20041216		

OS CASREACT 143:133387; MARPAT 143:133387

AB The title compds. I [R1 = (un)substituted cyclopropyl, iso-Pr, or Ph; R2 = ((O)jC(R15)(R16))kR; R = CO<sub>2</sub>H or a herbicidally effective derivative of CO<sub>2</sub>H; R3 = halo, CN, NO<sub>2</sub>, OR<sub>20</sub>, SR<sub>21</sub> or N(R<sub>22</sub>)R<sub>23</sub>; R4 = N(R<sub>24</sub>)R<sub>25</sub> or NO<sub>2</sub>; j = 0-1; k = 0-1; provided that when k = 0, then j = 0; R15, R16 = H, halo, alkyl, etc.; R20, R21 = H, alkyl, haloalkyl; R22, R23 = H, alkyl; R24 = H, alkyl, alkenyl, etc.; R25 = H, alkyl, C(O)R<sub>33</sub>; R33 = H, alkyl, haloalkyl, etc.; or R24 and R25 are taken together as a radical selected from (CH<sub>2</sub>)<sub>4</sub>, (CH<sub>2</sub>)<sub>5</sub>, etc.] which are useful for controlling undesired vegetation, were prepared E.g., a multi-step synthesis of Et 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (II) and Me 6-amino-5-bromo-2-cyclopropyl-4-pyrimidinecarboxylate (III), starting from Et 4,4-diethoxy-3-oxobutanoate and cyclopropanecarboximidamide monohydrochloride, was given. The compound II showed complete control against Pigweed at 500g ai/ha in postemergence test. Also disclosed are

comps. comprising the compds. I and a method for controlling undesired vegetation which involves contacting the vegetation or its environment with an effective amount of a compound I. Also disclosed are comps. comprising a compound I and at least one addnl. active ingredient selected from the group consisting of an other herbicide and a herbicide safener.

IT 858956-24-8P 858956-25-9P 858956-26-0P

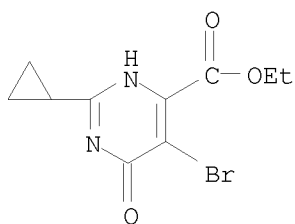
858956-27-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of herbicidal pyrimidines)

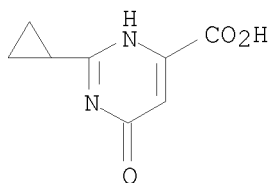
RN 858956-24-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5-bromo-2-cyclopropyl-1,6-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



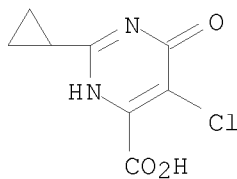
RN 858956-25-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 2-cyclopropyl-1,6-dihydro-6-oxo- (CA INDEX NAME)



RN 858956-26-0 CAPLUS

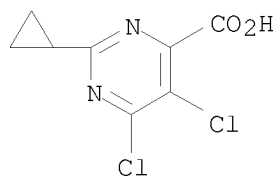
CN 4-Pyrimidinecarboxylic acid, 5-chloro-2-cyclopropyl-1,6-dihydro-6-oxo- (CA INDEX NAME)



RN 858956-27-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 5,6-dichloro-2-cyclopropyl- (CA INDEX NAME)

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RE.CNT 3      THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:371047 CAPLUS

DN 142:430286

TI A synthesis of 5-hydroxy-6-oxo-1,6-dihydropyrimidine derivatives, useful as intermediates in the preparation of pharmacologically active compounds

IN Dreher, Spencer D.

PA USA

SO U.S. Pat. Appl. Publ., 19 pp.

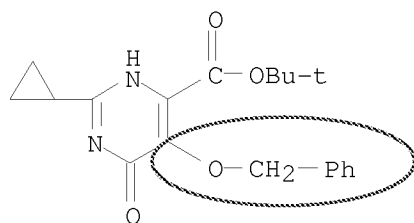
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20050090668	A1	20050428	US 2004-954752	20040930
PRAI	US 2003-514880P	P	20031028		
OS	CASREACT 142:430286; MARPAT 142:430286				
AB	The invention relates to a preparation of 5-hydroxy-6-oxo-1,6-dihydropyrimidine derivs. of formula I [wherein: R1 is H, alkoxy, (cyclo)alkyl, or aryl, etc.; R2 is alkyl, aryl, or alkylenearyl, etc.; R3 is alkyl], useful as intermediates in the preparation of pharmacol. active compds. The invention compds. were prepared by condensation of dihydroxyfumarate derivs. with amidines. For instance, 5-hydroxy-6-oxo-1,6-dihydropyrimidine derivative II was prepared via heterocyclization/condensation of fumarate derivative III with cyclopropane-1-carboximidamide with a yield of 92%.				
IT	850655-99-1P RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation) (synthesis of 5-hydroxy-6-oxo-1,6-dihydropyrimidine derivs. useful as intermediates in the preparation of pharmacol. active compds.)				
RN	850655-99-1 CAPLUS				
CN	4-Pyrimidinecarboxylic acid, 2-cyclopropyl-1,6-dihydro-6-oxo-5-(phenylmethoxy)-, 1,1-dimethylethyl ester (CA INDEX NAME)				



not good for claims 15-17

Claim 1 and dep. claims  
require a N containing  
group at the 6-position  
(see defn of R4)

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=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

23.06

215.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.28

-3.28

STN INTERNATIONAL LOGOFF AT 11:35:17 ON 17 FEB 2009